



**NIESMANN
+BISCHOFF**

FOR THE
BEST TIME OF LIFE

FOR THE BEST TIME OF LIFE CONTENTS

NIESMANN+BISCHOFF

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ventilation concept, SKA comfort seats,
open visual axis, functional kitchens,
spacious and wellness bathrooms,
quality concept ... Made in Germany

**Summary of all »Grands Crus«
starting page 112**

NIESMANN+BISCHOFF
FASCINATION LINER

FOR MORE THAN 30 YEARS
NIESMANN+BISCHOFF DESIGNS

FASCINATING LINERS
FOR THE PREMIUM CLASS



reddot design award



Quality, innovation, design:

Made in Germany

All this started with the Clou
30 years ago. This image
shows how our Liner was
built in the year 2007.



NIESMANN+BISCHOFF
FASCINATION LINER

FASCINATING LINERS, YOUR SOURCE OF INSPIRATION.

**WITHIN THE DELUXE SEGMENT
OF THE MARKET, WE HAVE ALREADY
OBTAINED THE »MOTORHOME
OF THE YEAR AWARD« 21 TIMES AND
THEREFORE ARE CLEARLY AT
THE TOP OF THE RANKING. THIS
MAKES US PROUD AND IS A GOOD
PROOF OF THE SUCCESSFUL WORK.**

We are very pleased about the Red Dot Design Award,
the Caravanning Design Award, the Design Award
Rhineland-Palatinate, and the nomination for the Design
Award of the Federal Republic of Germany, as well
as about the increase in popularity throughout Europe.

More than »100 good reasons« can be found in our
compendium starting page 76. Comparing is worthwhile.

However your choice to enjoy motorhomes:

Enjoy our Liners.

For the best time of life.

FEELING
COMFORTABLE,
DREAMING,
ENJOYING,
GETTING INSPIRED

...

CULTIVATION OF HOME
DECOR BY
NIESMANN+BISCHOFF

NIESMANN+BISCHOFF
FASCINATION LINER

THE STUFF THAT
DREAMS
ARE MADE OF



WHAT TYPE OF CHARACTER ARE YOU?

IN EACH LINER, AS STANDARD WE OFFER A LIGHT-COLOUR OR ANTHRACITE-COLOUR SEAT UPHOLSTERY

The examples on the right show both versions
with wooden high cupboards, Green Grass
(illuminated) and the exclusive Grand Cru No. 4
with the fashionable back cushions »Kiss«.

Decide for yourself if you prefer the light-colour
version or the anthracite-colour seat cushion
»Shadow« (second picture).

See all Grands Crus and fully-grain
leather versions starting page 112.

Living room suits: »light or dark colour« / 4 x Shadow / 4 x Crème / Genuine slate and /or Green Grass / Possible combinations

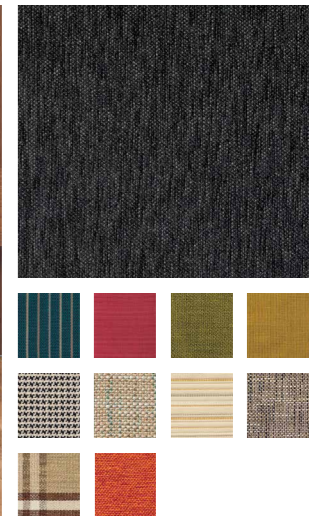
CRÈME

The light-colour textile seat upholstery – combined with 10 Grands Crus.



SHADOW

The anthracite-colour textile seat upholstery – combined with 10 Grands Crus.



SEAT UPHOLSTERY: SHADOW

ULTRA-MODERN,
ANTHRACITE-
COLOUR SEAT
UPHOLSTERY AND
WOODEN HIGH
CUPBOARD DOORS OR
SLATE ON DEMAND

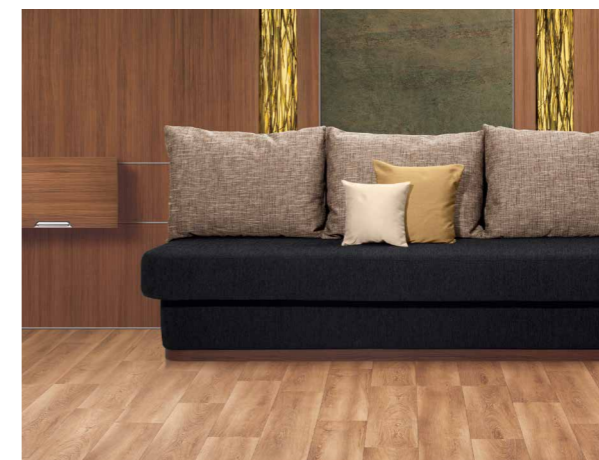


GRAND CRU NO. 5
Seat upholstery »Shadow«
with wooden high cupboard
doors, »Black Stone« and
Grand Cru No. 5



GRAND CRU NO. 6
»Shadow« with varnished
high cupboard doors, »Black
Stone« and Grand Cru No. 6
(Fig. left side)

GRAND CRU NO. 7
Seat upholstery »Shadow«
with varnished high cupboard
doors, »Jeera Green« and
Grand Cru No. 7
(Fig. right side)



GRAND CRU NO. 10
»Shadow« with wooden high
cupboard doors, »Jeera
Green« and Grand Cru No. 10
(Fig. left side)

Living room suits: »light or dark colour« / 4 x Shadow / 4 x Crème / Genuine slate and /or Green Grass / Possible combinations

SEAT UPHOLSTERY: CRÈME

FOUR BEAUTIFUL
GRAND CRUS, WHICH
YOU ARE ABLE
TO CHANGE SEVERAL
TIMES PER YEAR
IF YOU DESIRE

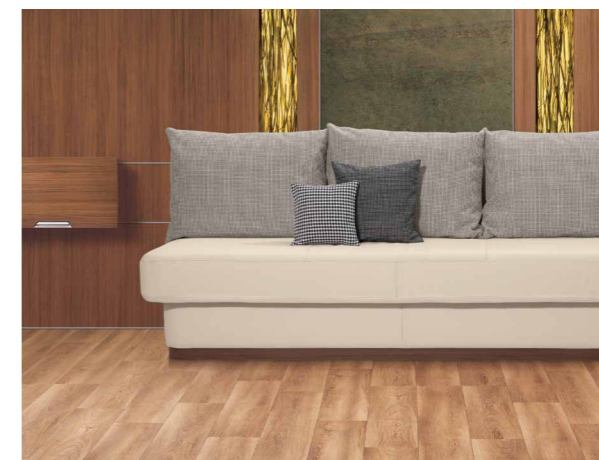


GRAND CRU NO. 2
Seat upholstery »Crème« with
wooden high cupboard
doors, »Black Stone« and
Grand Cru No. 2



GRAND CRU NO. 8
»Crème« with varnished high
cupboard doors, »Black
Stone« and Grand Cru No. 8
(Fig. left side)

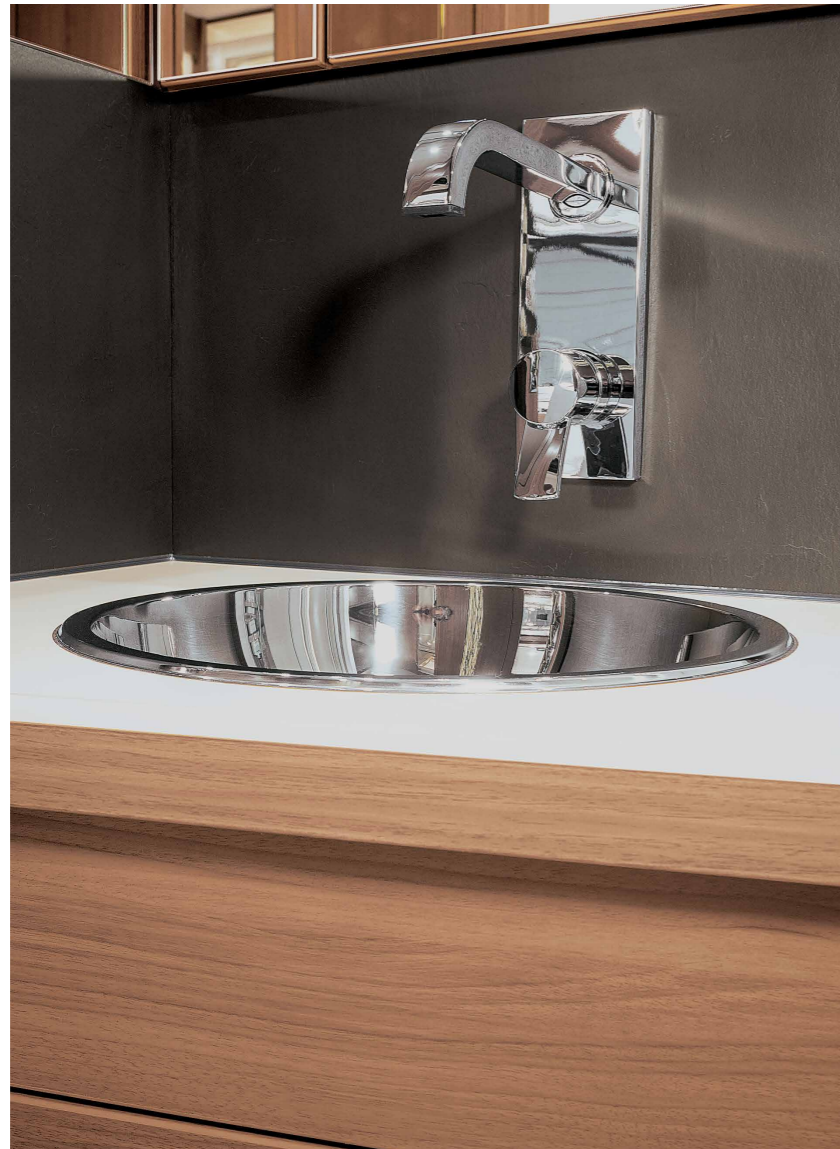
GRAND CRU NO. 9
Seat upholstery »Crème«
with varnished high cupboard
doors, »Jeera Green«
and Grand Cru No. 9
(Fig. right side)



GRAND CRU NO. 7
»Crème« with wooden high
cupboard doors, »Jeera
Green« and Grand Cru No. 7
(Fig. left side)

Living room suits: »light or dark colour« / 4 x Shadow / 4 x Crème / Genuine slate and /or Green Grass / Possible combinations

GENUINE SLATE



FOR THE SPACIOUS BATHROOM, KITCHEN AND BESIDE THE MEDIA TOWER TO CREATE YOUR EXCLUSIVE PICTURE-PERFECT LINER

Upgrading the Liner of your dream is not only possible to be supported by integrating the »Green Grass« indirect lighting, but also by the use of genuine slate or wood applications, nicely accentuating the kitchen, bathroom and entrance area – always matching the respective seat upholstery.

Living room suits: »light or dark colour« / 4 x Shadow / 4 x Crème / Genuine slate and /or Green Grass / Possible combinations

1 BLACK STONE

Black slate in its natural shape: A wonderful highlight behind the leather-coated handle in the entrance area, or e.g. behind the wash-basin in the spacious bathroom (Fig. left side).

2 JEERA GREEN

The most beautiful version for many enthusiasts. This natural stone changes – depending on the layer – between a light structure and green stone.

3 GREEN GRASS

Whether in the bedroom or the door between lounge and wellness bathroom: You will definitely like this type of illumination.

4 colours on the seat benches, 2 upholstery types or styles, 2 colours of high cupboard doors, the option »Green Grass«, wooden structure or genuine stone, 10 Grands Crus and the full-grain leather allow you to have an incredibly wide range of variation, you are not likely to find this case with any other manufacturer: »Inspiration Liner«.



THE INCREDIBLE COMBINATION POSSIBILITIES



WITH E.G. SEAT AND
BACK PADDING, CUS-
HIONS, HIGH CUPBOARD
DOORS, SLATE ETC.,
IN THE END IT IS SIMPLY
A MATTER OF TASTE.

Decide for yourself: Niesmann+Bischoff
offers a very wide range of different
outfit possibilities. Fashion your personal
Liner to be unique – distinctive and of
fascinating beauty. And if you wish, you
are able to diversify the world of colour.

Living room suits: »light or dark colour« / 4 x Shadow / 4 x Crème / Genuine slate and /or Green Grass / Possible combinations



EXCLUSIVE LINERS
FOR US THE
FASCINATION STARTS
WITH THE
ARTO RANGE



THE NEW ARTO 2014

YOUR BEST BET
WOULD BE A
TRIAL DRIVE AND
TO EXPERIENCE
OUR UNIQUE LINER
COMFORT



WORKMANSHIP, WHICH ENTHRALS

- + robust, solid bodyshell, *page 78*
- + torsion-resistant construction, *page 86*
- + Manufacturing with two-sided-aluminium and RTM-foam, *page 86*
- + Best Practice in Motorhomes, *page 122*
- + smooth surfaces, glass fibre elements and impermeability warranty, *page 84*

LIVING FIRST CLASS AND COMFORTABLE

- + open sight lines interior, *page 100*
- + Seitz S7 windows with single-hand operation, flush-mount integration, *page 84*
- + luxurious wellness bathrooms and Mediterranean kitchens, *page 102*
- + comfortable, electrically operated access with handle strip and easily accessible switches
- + flush-mount, customised awning (optional), *price list, optional equipment*
- + large-size garage and fully insulated loading flaps, *page 118*

FINEST TECHNOLOGY ABOARD

- + central service door on driver's side, *page 118*
- + comprehensive heating concept, *page 92*
- + double floor, insulated and heatable, *page 118*
- + reinforced front axle spring bolts, *page 78*
- + entire interior lighting with LED technology

PERFECT ROAD HOLDING, TRAVELLING SAFETY

- + AL-KO deep-frame chassis
- + driver's cab with original CrashBox and skirting protection, *page 78*
- + excellent running gear and chassis with steel strutting
- + SKA comfort seats rotatable by 180 degrees, *page 96*
- + outstanding all-round vision concept with panoramic view, *page 82*
- + fog lamps and day driving light by standard

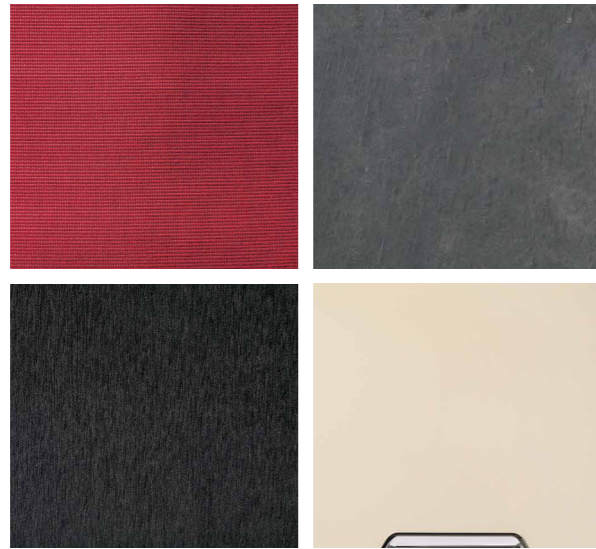
NIESMANN+BISCHOFF
FASCINATION LINER

CULTIVATION
OF HOME DECOR
VARIATION NO. 1



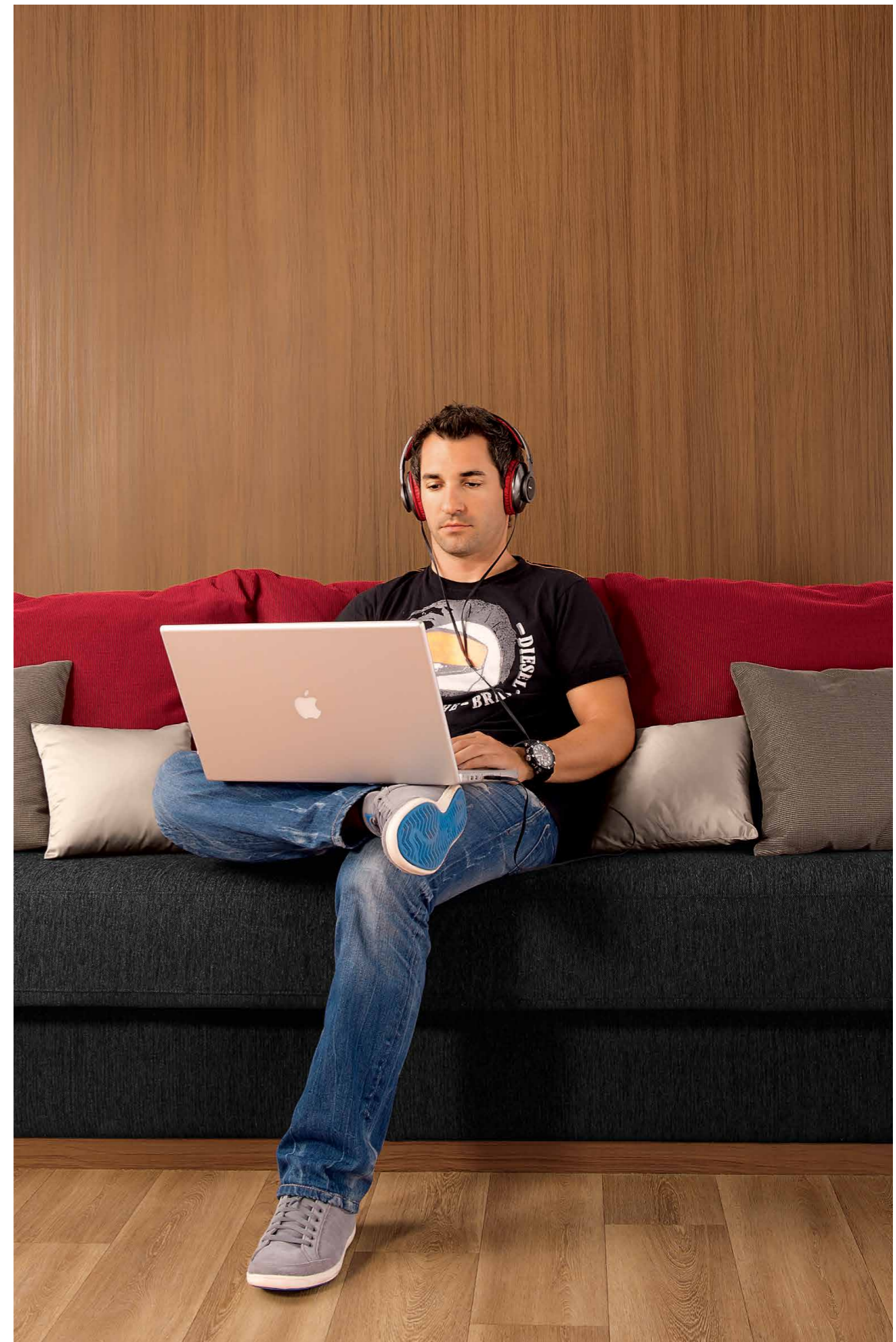
- + Shadow
- + Kiss
- + Grand Cru No. 3
- + Black Stone
- + Green Grass
- + Varnished
cupboard doors

»
INGENIOUS! HERE
I AM ABLE TO
PICK FROM OVER
500 COMBINATION
POSSIBILITIES
FOR MAKING UP
THE LINER EXACTLY
SUITING MY IDEAS.
«



DTM race car driver Timo Glock is enthusiastic.

At Niesmann+Bischoff the smart top race car driver has immediately found his individual colour combination. He settled for the very elegant, modern and comfortable upholstery version »Grand Cru No. 3«.



NIESMANN+BISCHOFF
FASCINATION LINER

»
SWEET
DREAMS
«



NIESMANN+BISCHOFF
FASCINATION LINER

SHADOW,
VARNISHED
CUPBOARD DOORS,
BLACK STONE,
GRAND CRU NO. 3 –
KISS!



»
WELLNESS,
RELAXATION AND
NOW AND THEN
A LITTLE BIT
OF REGENERATING
REFRESHMENT.
«



NIESMANN+BISCHOFF
FASCINATION LINER

»
HERE I CAN
SLEEP MORE THAN
RELAXED ALL
OVER THE WORLD.
«



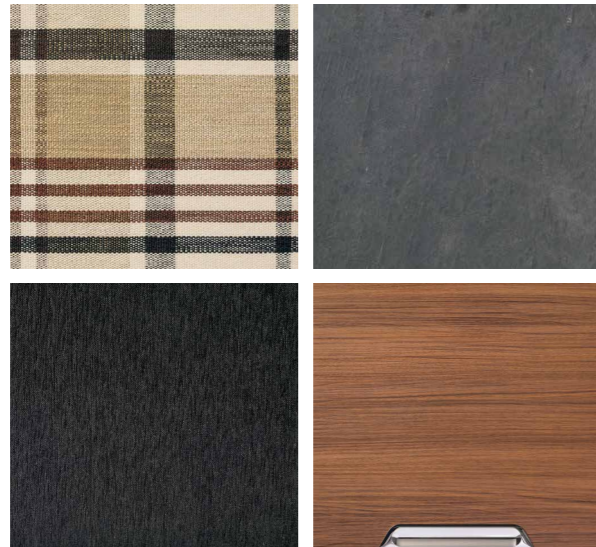
NIESMANN+BISCHOFF
FASCINATION LINER

CULTIVATION
OF HOME DECOR
VARIATION NO. 2



- + Shadow
- + Kiss
- + Grand Cru No. 1
- + Black Stone
- + Green Grass
- + Wooden
cupboard doors

»
THE BEST FORMULA:
WE REALLY
DO LOVE THE
FLEXIBILITY AND
THE HIGH-QUALITY
SEAT UPHOLSTERY
OF THE NEW
GENERATION –
A REAL PLEASURE!
«



Chef de Bar Igor Pusnik and his family have been passionate drivers of our exclusive Liners for many years.

This time, he has decided along with his family in favour of the modern cushion combination Grand Cru No. 1 on the seat upholstery »Shadow« matching the private interior. Along with it he favours the design with wooden cupboard doors and his wife the noble, black slate. Next year he wants to choose the green back padding Grand Cru No. 4. Or possibly even the fruity fresh version No. 6.



»
WE ENJOY
THE HOURS WE
HAVE
TOGETHER.
«



»
CLASSICAL BUT
STATE-OF-THE-ART,
FRESH AND
OFFBEAT.
THE NEW LINERS
DO OFFER
AN ACCOMPLISHED
COMBINATION.
«



»
A WHOLE LOT OF
SPACE FOR
GOOD MOOD
AND ACCESSORIES
ARE ALSO A
MATTER
OF COURSE WHILE
TRAVELLING.
«



NIESMANN+BISCHOFF
FASCINATION LINER

»
THIS DOES
EXACTLY SUIT OUR
TASTE.
«



NIESMANN+BISCHOFF
FASCINATION LINER

LINERS OF THE
PARTICULAR KIND
FASCINATING
FLAIR MODELS
YOU WILL
BE ENTHUSIASTIC
ABOUT



THE NEW FLAIR
2014
ENJOY NOW
OUR EXCLUSIVE
MODELS OF
THE NEW SERIES
2014



QUALITY

»MADE IN GERMANY«

- + quality and final checks, *page 120*
- + first-rate bodyshell and Anti-Torsion-Box, *page 86*
- + manufacturing: two-sided-aluminium and RTM-foam, *page 86*
- + very good insulation values, *page 88*
- + best workmanship and exemplary design, *page 84, 108*

**TRAVELLING AND LIVING
IN COMFORT**

- + spacious rear garage with inside lighting and 230V/12V socket
- + all-round vision concept: panoramic view, *page 82*
- + barrier-free: continuous floor – from the sleeping area to the driver's seat
- + by 180 degrees rotatable SKA comfort seats, *page 96*
- + new, very economically priced »newcomer models«, see *price list*

MORE SAFETY

FOR THE MOTORHOME

- + panorama windscreen flush-sealed with the front mask, *page 82*
- + all-round vision, high-mount driver's cab
- + first-rate running gear and solid double floor, *page 80*
- + day driving light and fog lamps by standard
- + Iveco service stations all over Europe

**PERFECTION ON THE ROAD AND
MANY THINGS BY STANDARD**

- + warm water heating (Alde 3010) for gas and electric power with touch-screen control panel, *page 92*
- + air flow optimised front blower and heater behind the windscreen with booster function
- + central supply and disposal compartment on driver's side
- + 300 l fresh water and 250 l waste water tank in the heated double floor, *page 80*

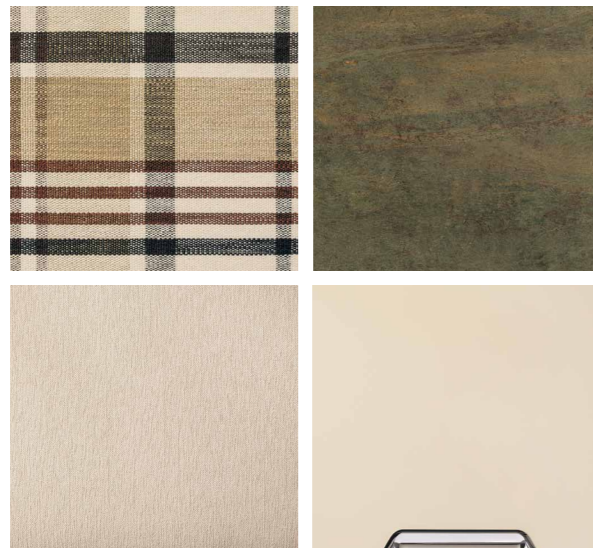
NIESMANN+BISCHOFF
FASCINATION LINER

CULTIVATION
OF HOME DECOR
VARIATION NO. 3



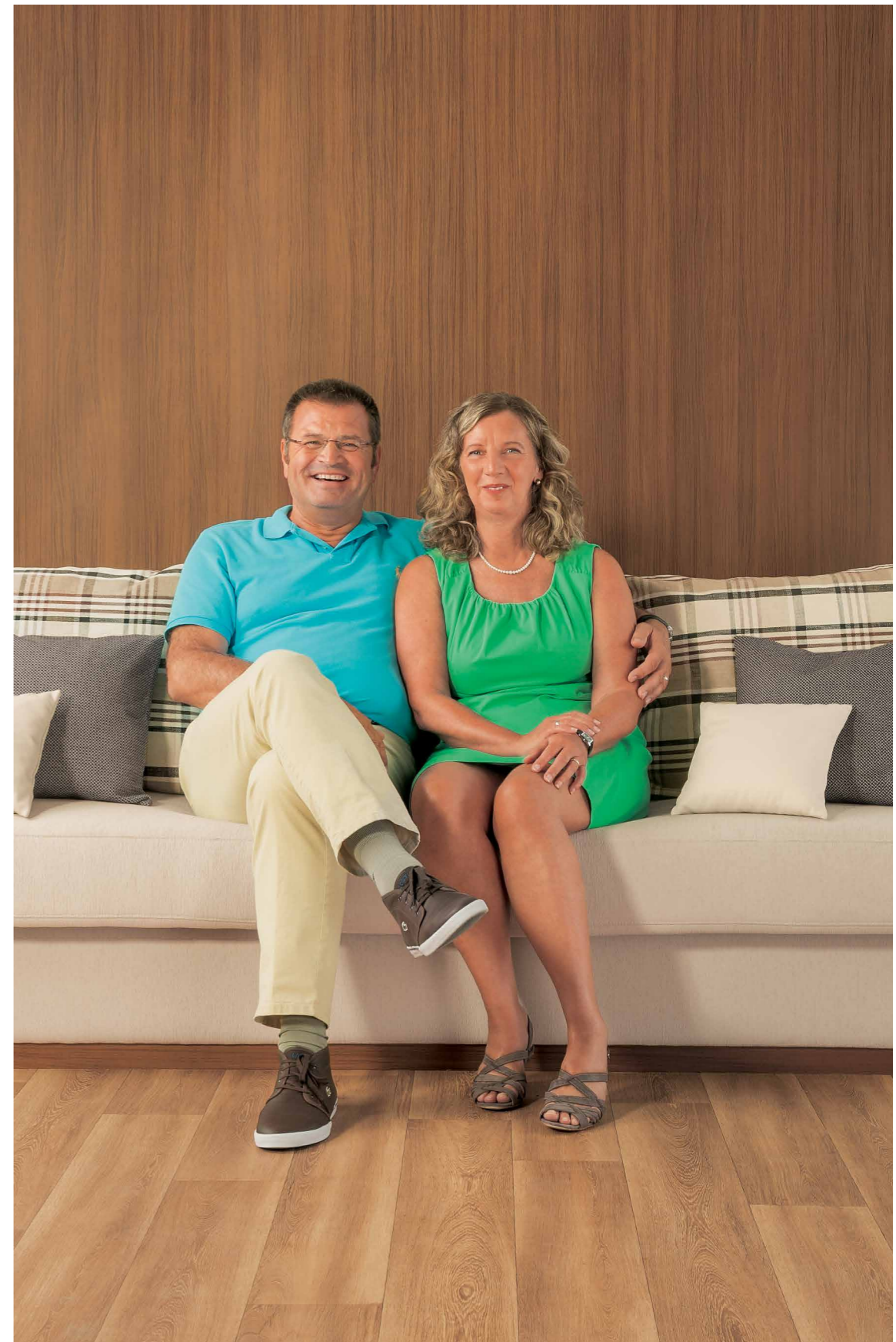
- + Crème
- + Kiss
- + Grand Cru No. 1
- + Jeera Green
- + Green Grass
- + Varnished
cupboard doors

»
INCREDIBLE.
WE WOULD NEVER
HAVE IMAGINED
TO FEEL AT HOME IN
A MOTORHOME.
«



Manager Manfred Bischof and his wife are currently enjoying the most beautiful part of their life, since his executive position in Ingolstadt.

While he is managing the career of world-class athletes, she is planning their comfortable journeys together in the new Liner. Explicitly their preference is the combination of clear-colour seat upholstery Grand Cru No. 1 as cushions, and the light-colour varnished cupboard doors as well as the noble, green slate: »A shot in the bull's eye!«. And for Christmas time, the Liner is lovingly redecorated, and of course, also the colour of the upholstery is being changed.



NIESMANN+BISCHOFF
FASCINATION LINER

»
THIS DEFINITELY
IS A FIRST
CLASS LINER!
«



»
THE MOST
BEAUTIFUL
MEMORIES WILL
NEVER EVER
BE FORGOTTEN.
«



»
AND AT THE
END OF THE DAY
A WONDERFUL,
COMFORTABLE
DOUBLE BED
IS WAITING FOR US.

«



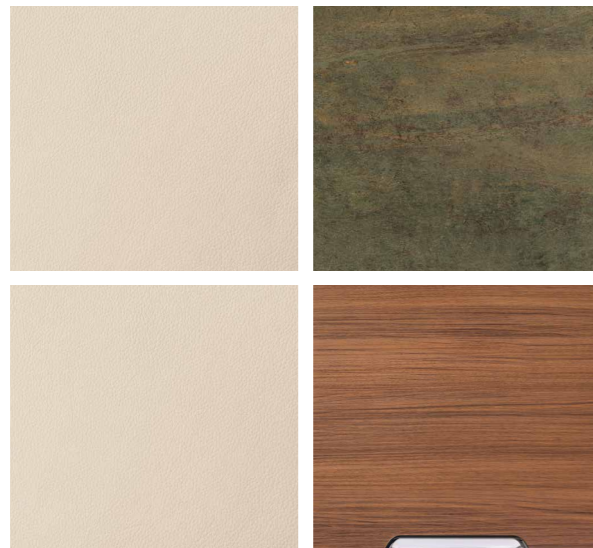
NIESMANN+BISCHOFF
FASCINATION LINER

CULTIVATION
OF HOME DECOR
VARIATION NO. 4



- + Temptation leather
- + Cloud
- + Jeera Green
- + Green Grass
- + Wooden
cupboard doors

»
ONE OF A KIND:
THE EXCLUSIVE
LINERS ARE
UNIQUE. WE ENJOY
THE WONDERFUL
FULL-GRAIN
LEATHER FUR-
NISHING. THAT IS
A SELECTION
PAR EXCELLENCE.
«



Viktor Solf and his wife are very demanding and they have an excellent taste.

The character »Viktor« nowadays is personally present at many an event, offers valuable advice and knows most of the planning in our factory. You will usually find him wearing a bow tie from Niesmann+Bischoff.



»
IT IS THE
NUMEROUS DETAILS,
WHICH ARE
MAKING US HAPPY.
«



»
THE PERFECT
THING IS THAT
DRIVER
AND PASSENGER
SEATS ARE
WONDERFULLY
MATCHING
THE LOUNGE AREA.
«



»
THE NEW FLAIR
ACTUALLY IS A
MOBILE SUITE WITH
ANY AND ALL
COMFORT ONE MAY
DEMAND IN
AN UP-TO-DATE
MOTORHOME.
«

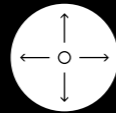


»
A BLESSING FOR
THE SOUL:
WOOD, GREEN
SLATE, LIGHT-
COLOUR LEATHER,
SOFT CUSHIONS
TO BECOME
ATTACHED TO.
«

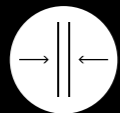




Undercarriage and chassis



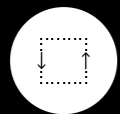
Best all-round vision



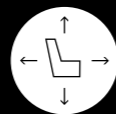
Insulation & 2-sided-aluminium



Heating concept



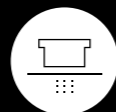
Ventilation concept



SKA comfort seats



Open visual axis



Functional kitchens



Spacious and wellness bathrooms



Quality concept



Made in Germany

THERE ARE MORE
THAN 100 REASONS

FOR CUSTOMERS TO BUY
A LINER FROM
NIESMANN+BISCHOFF.



THE ARTO RUNNING GEAR



THE BEST ARTO RUNNING GEAR EVER, FOR A UNIQUE AND EXTREMELY ROBUST BODYSHELL

From our point of view, the AL-KO wide tread track running gear at present is the best on the market. Niesmann+Bischoff however, has continued to perfect this solution, has reinforced the construction and has given the final touch with an extremely solid lattice frame. Furthermore, our models were tested through the Nordschleife on the Nürburg Ring (max. speed: 160 km/h), and with a slalom test under most unfavourable conditions and highest requirements during the safe driving training, and they did show a very good road holding, high speed in curves and a unique performance.

1 Outstanding driving behaviour and perfect road holding

The Arto running gear offers more driving stability and better behaviour in curves:

- + AL-KO deep frame chassis with maximum frame lowering (220 mm)
- + Wide tread track running gear and independent suspension
- + Less dead weight (lightweight construction)
- + Long durability (frame elements are hot-dipped for corrosion prevention)
- + Reinforced front axle spring bolts*

2 Original Crash-Box with integrated skirting protection

The safe front part, tested by the manufacturer, offers to the drive an exemplary protection and does not refrain from protecting details and »exterior values«:

- + Tested CrashBox from the manufacturer
- + Skirting protection behind the front mask
- + Perfect seating position with plenty of leg room in case of an accident

3 A robust base, massive fittings

Solid steel profiles as cross and longitudinal strutting are tightly screwed to the frame:

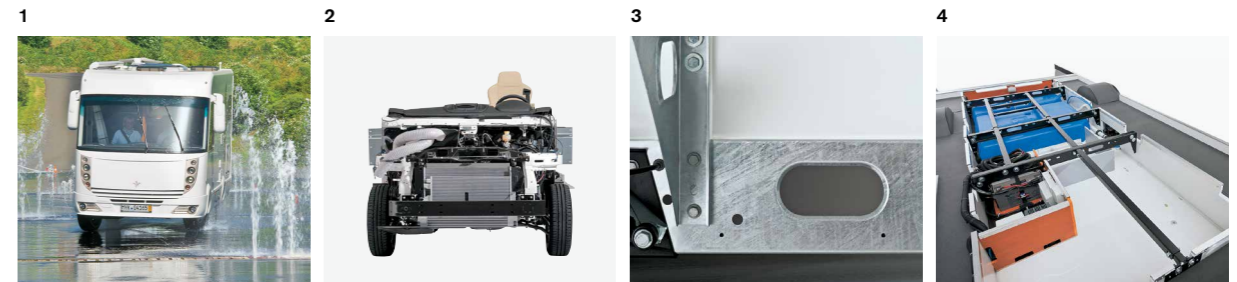
- + This construction already absorbs approx. 80% of the torsion forces
- + Best base for the Anti-Torsion-Box
- + Serves as a highly solid base for the floor

4 Closed two-sided aluminium hull

The double floor is also protected from below against cold, humidity and damages, and in this case even with a continuous, closed sandwich hull made of two-sided aluminium:

- + Individual elements are safely positioned at the lowest possible mass centre
- + Very good insulation values
- + Frost-proof: Water tanks, batteries, and others

* Arto: optional





THE FLAIR RUNNING GEAR



THE FLAIR RUNNING GEAR: ENABLES COMFOR- TABLE TRAVELLING

On the left you can see the unique construction and the massive, highly solid aluminium profile with longitudinal and cross strutting of the »base« of our Flair. Each Liner is firmly fastened at the supporting points to the chassis. Thus, Niesmann+Bischoff creates an excellent base for a solid double floor, the deepest possible and safest space for batteries and water tanks, and the torsion-resistant construction of the side walls.

- 1 First-class chassis, tried and tested undercarriage**
The high frame with original chassis Iveco Daily 65 C and moved up driver's cab furthermore is equipped with:
 - + Rear-wheel drive with twin tyres
 - + Original Iveco dashboard
 - + Seat position moved to the front
 - + Ideal all-around vision
- 2 Unique road holding, more driving pleasure**
All Flair models offer:
 - + More driving dynamics
 - + Balanced suspension
 - + Better cornering ability (low mass centre)
 - + Perfect frame and best base for torsion-resistant bodyshell and one piece floor panel
- 3 The double floor offers a solid base**
The unique double floor with a construction of aluminium struts has an extreme load-bearing capacity, and is firmly fixed to the floor.
 - + Longitudinal and cross strutting made of aluminium profiles and steel reinforcements
 - + Protection against corrosion and damages
 - + Underbody completely made of two-sided aluminium with styrofoam insulation
 - + Free from thermal bridges
- 4 Continuous floor plate, self-supporting unit**
The barrier-free floor plate is directly and firmly fitted:
 - + Heat accumulator in the double floor
 - + Floor is comfortably warm
 - + Very good heat distribution
 - + Systematic arrangement of the convectors and warm water central heating technology
 - + Strikingly optimised energy balance
 - + Exemplary air circulation

1



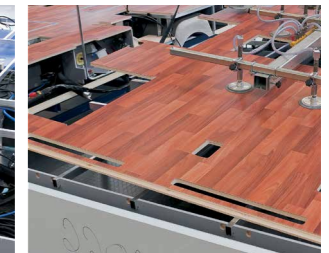
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3

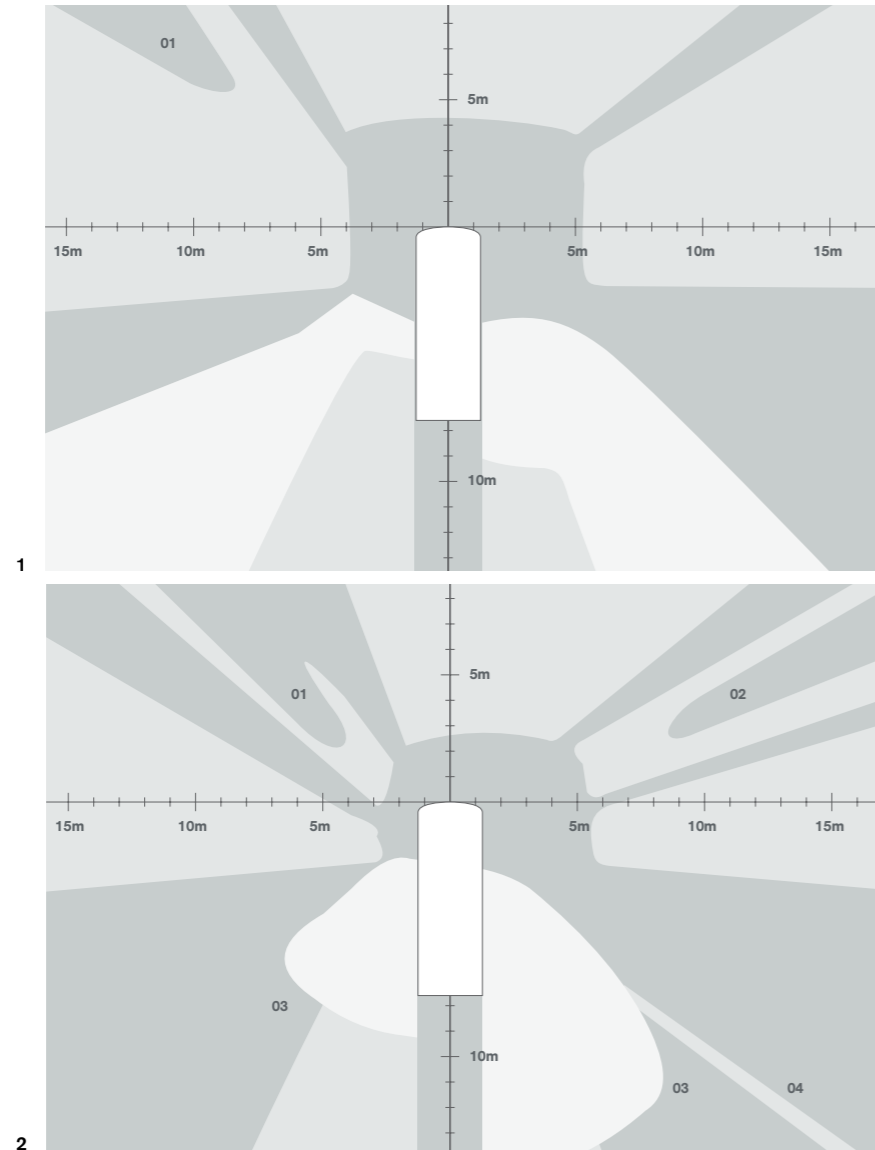


4





THE ALL – ROUND VISION CONCEPT



1

2

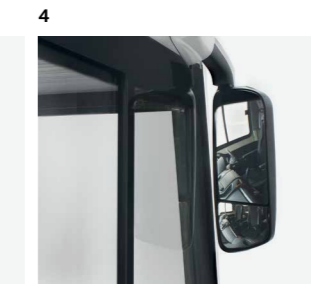
* Arto and Flair: optional

A FANTASTIC ALL-ROUND VISION WITH PANORAMIC VIEW FOR SMALL AND TALL PERSONS

However, it should be more than 30 degrees: in any case, with us you will be driving comfortably, the seat position is flexibly adjustable and your Liner is safe: A motorhome in a class of its own.



3



4



5

1 Arto during the test

Conclusion of the experts: »For doing without a driver's door, the Arto offers a good direct field of vision, into which the mirror (1) is protruding. The large mirror surfaces with their practice-oriented fields of sight are the best in the test field and add a great deal to the direct sight.« Moreover, the Arto is also a fantastic Liner with individually adjustable driver's seat and also offering very good visual angles for small and tall persons.

2 A competitor during the test

Conclusion of the experts: »Because of the deeper mounted mirror, a large area (1) is not visible. Also on the right the mirror is somewhat annoying (2). The field of vision ends quite early (3) because of not separately adjustable wide-angle rear-view mirrors. The window in the door (4) is hardly of any help.«

3 Perfect sight while driving

Based on illustrations of the German specialist magazine Promobil, edition 09/2010, where the angles, fields of vision and safety criteria were tested jointly with an independent team of experts. Here, a significant difference can be identified. If a tall person in addition would put the driver's seat upwards, in other models his field of vision would become even more reduced.

4 Bus rear-view mirrors with separated areas *

Professionals and the expert panel are agreeing that our vision concept in combination with the lateral rear-view mirrors is very good:

- + Outside – with integrated wide-angle mirrors behind the A-pillar
- + Small »blind spot«
- + Very good sight also in case of snowfall
- + Heatable and adjustable from inside

5 Panorama windshield for optimum vision

Best sight in all positions:

- + Maximum visual angle
- + Full marks (see Fig. on the left)
- + More Safety by individual adjustment of the seat position for different body heights
- + Extremely large angle of the sight lines because of the panorama windshield



THE INSULATION CONCEPT



BEST INSULATION, SMOOTH COATING, UNIQUE WORKMANSHIP AND EXEMPLARY DESIGN

No matter if surfaces, windows, front or tail elements or roof: The manufacturing of the components and in the end the Liner itself offer first-class comfort and best quality for living because of the exemplary workmanship. This is continuously optimised and refined. And that is not only in the visible area of the well-designed Liners of our factory. Unique e.g. is also the roof coating, which in comparison with the conventional motorhomes is reinforced with a distinctly stronger and more robust GRP fabric of 1.5 mm, essentially increasing the quality in case of e.g. hail and other outside influences.

1 Seitz S7 windows – the new generation *

The Seitz S7 windows can be installed in all Arto and Flair models:

- + Double-glazed plastic windows
- + Thermically separated outside aluminium frames
- + Comfortable single-hand operation instead of several swivel adjusters
- + Approx. 16 % more incidence of light
- + More brightness inside

2 Smooth surfaces, flush segments

At our factory all details are properly mounted:

- + High-quality materials, sealings and glues
- + Side skirts of smooth aluminium profiles, stove-enamelled white
- + In-house manufactured 2-sided-aluminium sandwich walls
- + Made in Germany

3 Front and rear elements are made of GRP

Because of the GRP front mask and rear panel our Liners in any case are:

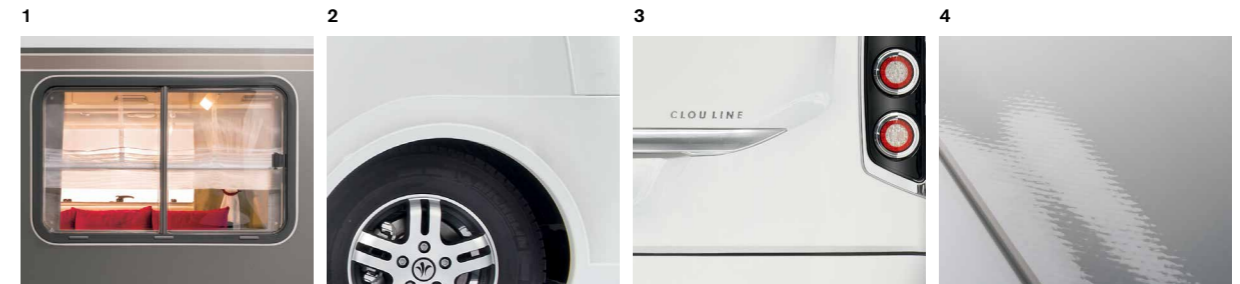
- + More robust and tear-resistant
- + Less susceptible to weather conditions
- + Significantly smoother and more beautiful (Gel Coating)
- + More cost-effective in case of repairs (spot repair is possible)

4 6 years of impermeability warranty

Aluminium roof profiles with rain water channel for reducing side panel soiling

- + Transition area between front mask and roof are flat connected
- + Prevents backlog of the water
- + Runs off to the front
- + Flush-sealed panorama windscreen made of laminated glass

* Arto and Flair: optional





INSULATION 2-SIDED- ALUMINIUM



1

2-SIDED-ALUMINIUM
LIGHTWEIGHT
CONSTRUCTION WITH
OPTIMUM VALUES

1 Very high pressure load is possible

The pressure test is used for testing the torsional strength of the 2-sided aluminium sandwich walls:

- + About 4.5 times higher pressure load than in case of common laminated wood versions
- + Very high torsional strength
- + Styrofoam insulation with reinforcements of highly compressed PU hard profiles

2 Tested and trusted since 30 years

Niesmann+Bischoff is continuously advancing this bodyshell concept:

- + The outside of rear and side walls are manufactured with 2-sided aluminium and RTM insulating foam
- + Our roof plates are extremely robust and are reinforced with a 1.5 mm GRP mat
- + Connections free from thermal bridges
- + Steady heat dissipation
- + Additional insulation with internal space cladding

3 Connections free from thermal bridges

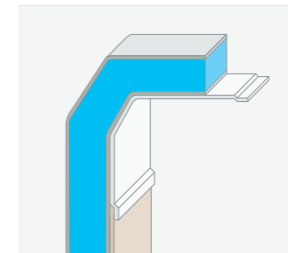
Long-lasting and frictional wall connection technology:

- + Highly compressed PU hard profiles
- + Solid fixation free from creaking
- + Longer endurance and less strain for the furniture
- + Torsion-resistant bodyshell
- + Perfect base for the Anti-Torsion-Box

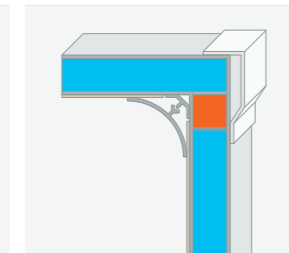
4 Anti-Torsion-Box offers more torsional strength

Side and rear walls, roof plate, floor and GRP front mask are firmly connected using industrial high performance glues and additionally screwed on. During the torsion test, the vehicles are lifted by a wheel at one side – no problem. In case of many competitors with the vehicle in this position the entrance door cannot be opened any more.

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INSULATION VALUES

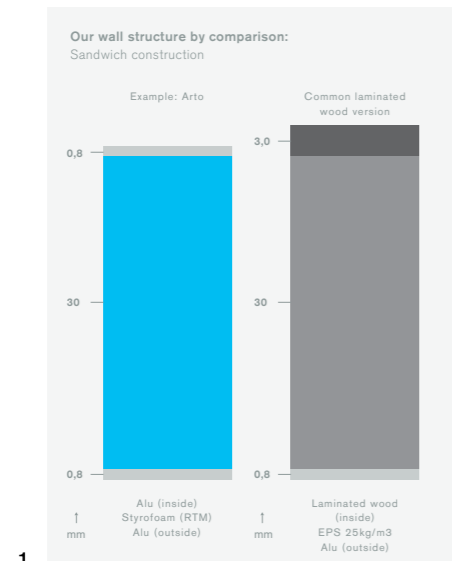
THE BEST INSULATION FOR ALL OF OUR LINERS

1 Our wall structure by comparison: The remarkable insulating effect of our aluminium-styrofoam-aluminium sandwich structure is unbeatable in the range of the advanced motorhome bodyshell. The bodyshell ensures maximum torsion-resistance, best insulation values, is wood-free and rot-proof. In many motorhomes usually can be found the composition aluminium-EPS foam, and inside foil-coated plywood. The underbody usually is manufactured only with impregnated wooden plates. After only a few years this might cause significant problems, which we do exclude for our vehicles as a matter of principle.

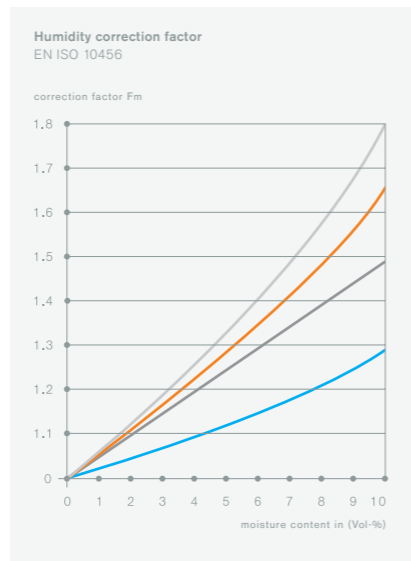
2 Humidity correction factor Fm for thermal conductivity depending on the moisture content of the foam according to EN ISO 10456
During these standardised test drives, the different materials are provided with an increasing quantity of humidity. The high quality of an insulating material stands out because of a slightly increasing, low correction factor. The higher the correction factor the higher the negative effect on the thermal conductivity in case of increasing moisture content.
Conclusion: Outstanding material properties.

3 Water absorbing capacity on immersion EN 12087
This test method measures the water pick-up capacity of the different materials. The high quality of the insulating material stands out because of a water pick-up as low as possible. Through the two-sided-aluminium it is almost impossible that moisture gets to the inside. In case of laminated wood this would be different. Also evaporation and drying are quite restricted.
Conclusion: A unique thermal protection.

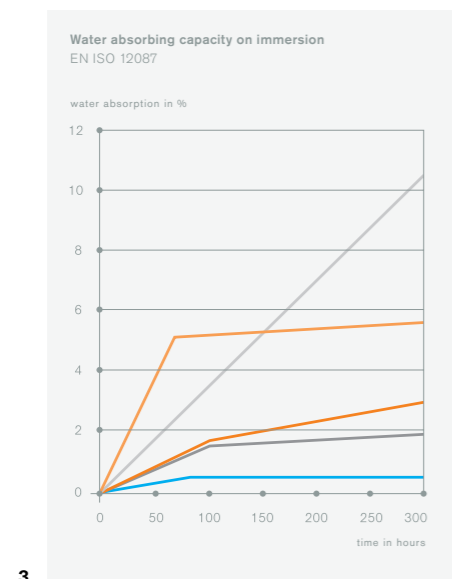
4 Thermal conductivity and water absorption by diffusion according to EN 12088 (water pick-up)
During this test in a moisture chamber, the insulating materials are subjected on one surface to a low temperature (0 °C) and on the other side to a very high temperature (+50 °C) for producing a water vapour diffusion. Thereafter, the thermal conductivity of the material is measured in comparison with the dry condition. Styrofoam-RTM is convincing also after the diffusion test by a low and stable thermal conductivity.
Conclusion: Best values for our Liners.



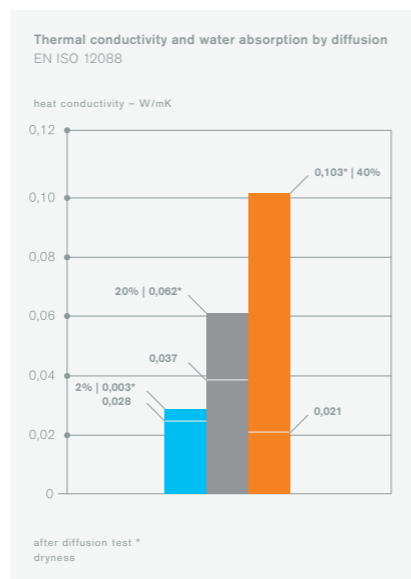
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Optimum values for our materials
Caption of the above graphics:

- Styrofoam RTM
- EPS material
- PU foam
- Polystyrene
- Mineral wool



DOUBLE GLAZING AND FRONT ROLLER BLIND



FRONT ROLLER BLINDS AND DOUBLE GLAZING PROTECT AGAINST SUN AND INSULATE IN CASE OF COLD *

Convenient: The electrically operated front roller blind can also be used as sun shield while driving, simply by pressing a button. This allows a protective function over the entire width of the panorama windscreen. By standard, all models are fitted with the proven green shade band.

1 Electrically operated front roller blind

When closing the insulating front roller blind, you will not only be protected against annoying glances:

- + Excellent insulation values
- + Protects against cold and heat
- + Electrically operated from the inside
- + Better by far than the usual pleated blind solutions
- + Can also be used as sun shield

2 Insulating double glazing

At an outside temperature of $-10\text{ }^{\circ}\text{C}$ and a room temperature of $+20\text{ }^{\circ}\text{C}$, in the room at the insulating glass is measured a surface temperature of $8.8\text{ }^{\circ}\text{C}$:

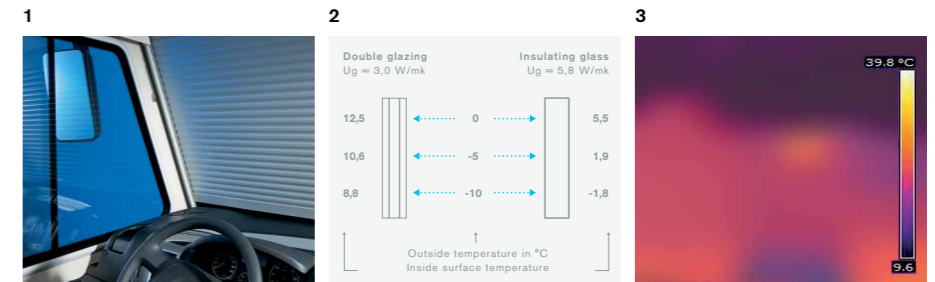
- + In case of single glazing the temperature can drop under the freezing point
- + Better than most of the competitors

3 Insulation on the windscreen:

Optimum values during test measurement

In the driver's cab, the windscreen is additionally shielded by our insulating front roller blind: with front roller blind $14.6\text{ }^{\circ}\text{C}$

* Arto and Flair: optional





THE HEATING CONCEPT



THE HEATING CONCEPT FOR A COSY WARMTH IN THE PREMIUM LINER

Our heating concept offers many a possibility to cope with the stay in colder regions without any problem, and to carry out the according settings and measures is fool-proof. Practised winter campers do know why they decide for a Premium Liner from Niesmann+Bischoff: Regular appraisals by an independent and critical team of experts impressively underline the outstanding heating effect and the excellent measuring values inside the cold chamber. You can count on that.

1 In the cold chamber

Measurements of the individual thermal areas are carried out in our motorhomes. In the Arto 76 E (1) for example, we have obtained excellent results and heating power at all measuring points inside the cold chamber at an outside temperature of -20°C (DIN test procedure):

- + During the heating-up, the specified inside temperature was already reached ahead of schedule
- + About 10% faster than the specification
- + A delta by 17% larger than specified by standard

2 Comprehensive heating concept

Because of radiators or streamers inside the double floor and behind the furniture also the entrance area at the bodyshell door for example is well shielded.

- + Blocking the cold from the outside because of insulated bodyshell
- + »Thermal curtain« at sensitive spots

3 Top values inside

No matter if Arto or Flair, compact bathroom, spacious bathroom or separate toilet, our heating concept provides for steady and comforting room temperature:

- + Very good options for regulation
- + Optimal distribution of the radiators
- + Excellent heating effect

4 Winter campers have an evident advantage with our motorhomes

Our warm-water heating offers different setting options for adjusting it to your personal feeling. The heating circuit for the rear bed for example can be down-regulated or the desired night set-back can be easily programmed – in summer and in winter.

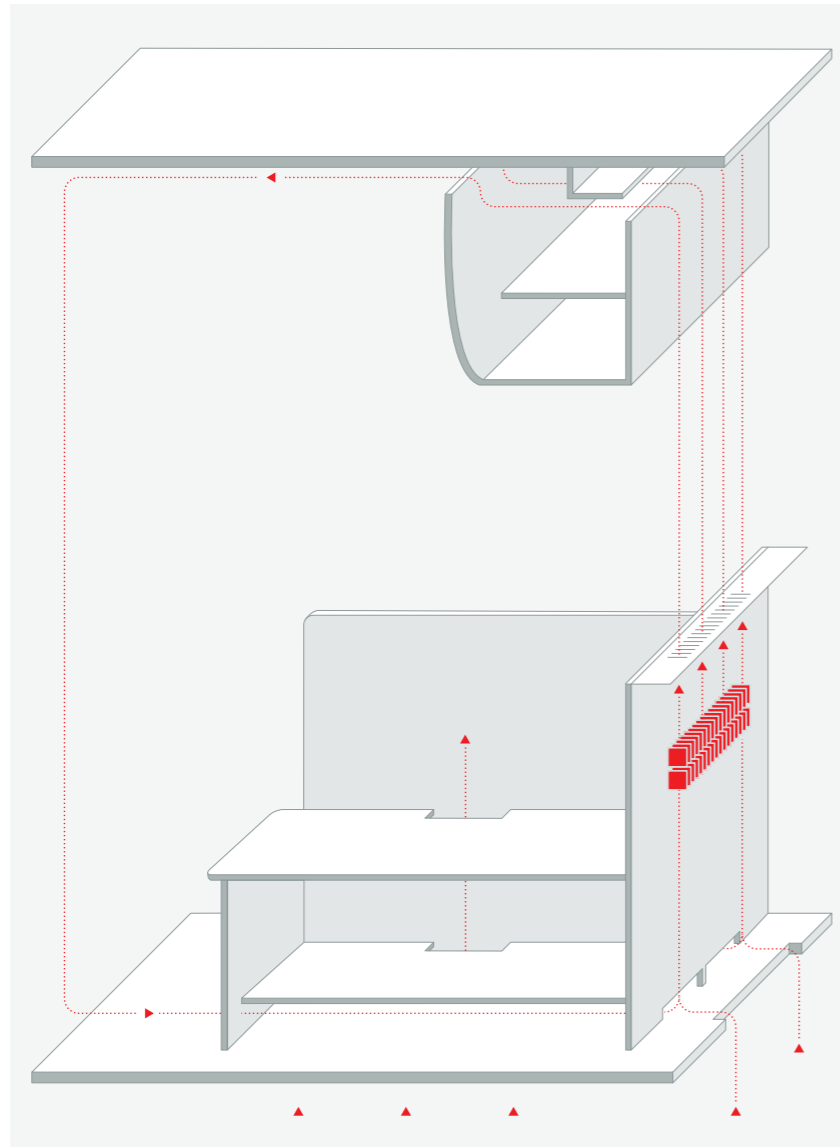
More living comfort thanks to the best planning.

* Arto: optional





THE VENTILATION CONCEPT



WITH AN EXEMPLARY VENTILATION THE AIR IN THE INSIDE OF THE LINER IS CIRCULATING AT ITS BEST

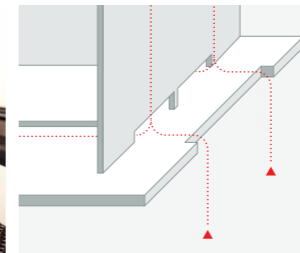
Thanks to many years of experience and continuous improvements, Niesmann+Bischoff has learned the ability to design very high-quality cabinetry that perfectly matches the heating and ventilation concept. The warm air is able to circulate without any problem, condensation water is prevented; the ventilation concept provides a comfortable ambience inside the Liner and allows for significantly higher quality for living.

- 1 Air circulation in the entire lounge area**
Radiators or warm-air outlets and ventilating devices are perfectly matched:
 - + Best values for the control of the inside air condition
 - + Reduced energy consumption
 - + Better indoor environment and living quality
 - + Easy to handle
- 2 A well-thought ventilation circuit**
Seat boxes with double bottom, the air ducts behind wall cabinets with double back panel and behind upholstery rests ensure a trouble-free functioning and efficient heating output (see graphic 2 & 3).
- 3 Prevention of condensation water**
Because of the warranty for a circulation without interruptions and nuisance factors, it is also possible to prevent condensation water in the interior space:
 - + No mould formation
 - + Unrestricted air circulation (see graphic 2 & 3).
- 4 No damage possible**
Because of safely built cabinet panels, floor constructions and bases
 - + Stored goods cannot impair the circulation and the circuit
 - + The damage of conductions in this area is completely prevented
 - + Dangerous heat accumulation and fire hazard can be excluded

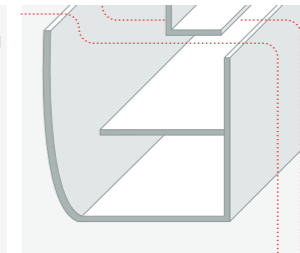
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THE SKA COMFORT SEATS



SKA COMFORT SEATS FOR ALL LINERS PERFECT SEATING POSITION, INDIVIDUALLY ADJUSTABLE *

1 Lowered seat

- + No problem for smaller persons starting from a body-size of 1.52 m and for persons with short legs / lower thighs
- + Handles can be unlocked and readjusted without any problem and without effort. This applies to all adjustments

2 Raised seating surface

- + Perfect for tall persons with a bodysize of up to about 1.96 m needing a comfortable seating height
- + Height adjustment of 100 mm is possible
- + No blood stasis
- + No need to put „cushions underneath“ (see Comfort pack)

3 Seat surface extensible

The seat surface additionally can be easily extended offering tall persons maximum comfort while driving:

- + Individual and ergonomically adjustment
- + Seat height and level can be perfectly adjusted to the living room suite (table / bench) and the seats can be completely turned by 180 degrees

4 Comfort seats for all Liners

Optional: Our comfort seat is very variable, and can be operated incredibly easy with only one hand, without need of much strength. The leg rest can be adjusted in six stop stages.

5 Inclined backrest

The quick adjustment of the backrest has small steps and is easy to unlock; and can be easily reached also if the table is turned, or quickly during periods of rest. The inclination can be adjusted independent from the height adjustment.

6 Forward inclined seat surface

All seats can be adjusted such that the seat surface can be inclined forward:

- + Perfect in case of shorter lower thighs
- + Individual adjustment is possible also with the seat adjusted upward

7 Seat position misplaced

It is also possible to easily and comfortably adjust and lock the seat in the correct distance to the driver's cab pedals, to the lounge table and the living room suite, according to the physical proportions.

8 Backward inclined seat surface

- + Possible in all positions
- + Hand rests can be folded away in case of need
- + According to desire, it is also possible to incline the backrest backward or forward and adjust it

9 Folding down the backrest

- + Can be executed quick and easy for using the front bed
- + Space-saving also with the seat turned

Individual adjustment

The comfortable, ergonomically most advantageous position for all circumstances:

- + No need for twisting the body
- + No lateral bending down
- + Physical design
- + Lateral support when driving
- + demanding curves or serpentines



THE COMFORT SEAT CONCEPT



DRIVER AND PASSENGER SEAT CAN BE TURNED BY 180 DEGREES WITHOUT RESTRICTION

The loveliest way to watch television together and settling back at ease: If required, the seats are completely turned into the direction of the TV (180 degrees!), the feet are put up, the seat surface is adjusted to the same height as the living room suit, and the backrest is comfortably inclined backward. With us you can expect an incomparable experience with a maximum relaxation factor.

1 Best view and seating position

The new orientation and ergonomics as well as a free vision are convincing in all models. Seat position, height, innovative technology and visual lines are perfectly in tune with each other.

2 Enjoying at ease *

The wonderful SKA seats:

- + Maximum comfort
- + Best seating values
- + Flexible adaptation possible
- + Rotatable by 180 degrees

3 The direct comparison with models of many manufacturers is convincing.

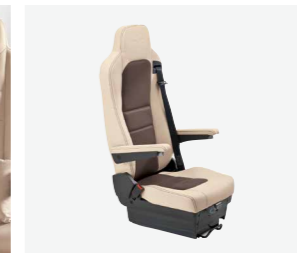
In case of other manufacturers, driver and passenger seat can be turned only to a limited extent and collide with the living room benches. In Arto and Flair the below shown situation (see blockade) would be unimaginably, given that the seats can be completely turned and the barrier-free space becomes the key element of the lounge area, offering more freedom of movement and allowing for »open sight lines«. With Niesmann+Bischoff you are experiencing real comfort.

* Arto and Flair: optional

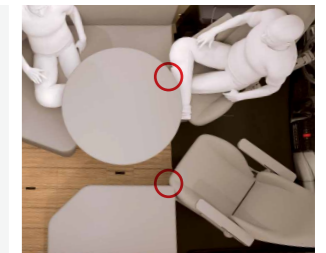
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OPEN SIGHT LINES



BARRIER-FREE SIGNIFIES THAT THERE IS NO HEADREST OBSTRUCTING THE SIGHT LINES, AND THE FREEDOM OF MOVEMENT IS NOT UNNECESSARILY RESTRICTED – QUITE EASY

With the same disposition, in other models almost 50% of the sight is restricted by reduced sight lines, missing outline and visual blockades. The result usually causes anxieties and reduction of the clear sight, the perspective is missing. The other way round with Niesmann+Bischoff: We attach great importance to spaciousness and freedom of movement. The difference is perceptible.

1 The visual lines are kept free everywhere:

A Liner principle by Niesmann+Bischoff.

The study on the left shows how the quality of living can be significantly increased in a small motorhome, when omitting barriers in the room impairing the sight – during the day and during the night, in all models and for all layouts. This specifically signifies that a person on the driver's seat obtains almost double room sight.

2 More visible space and less blockades inside the motorhome

Lamentably all too often the sight inside the motorhome towards the bedroom, bathroom or kitchen is interrupted by high headrests and fixtures and fittings. This survey makes the difference in comparison with our building principles obvious. »Compulsory programme« in all models:

- + Open sight lines
- + Maximum freedom of movement
- + Best qualifications for transparency and communication in the motorhome
- + Flush belt blocks

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THE KITCHEN CONCEPT



FUNCTIONAL KITCHENS IN OUR FIRST-CLASS LINERS

Cooking and preparing tasty creations is not only a question of the ingredients and spices but also of the individual ability and your own personal taste. Our »head cooks« love a good kitchen and for this they supply practical ideas, comfortable accessories and stylish design concepts.

1 Robust and long-lasting worktops:

- + optimum ergonomics
- + easy to clean
- + resistant surfaces
- + hygienic
- + universally usable and applicable

2 Ingenious drawers

Generously sized, resilient and very comfortable drawers:

- + Household standards
- + Solid manufacturing
- + Utility optimisation

3 Soft self-closing

Same as at home, the drawers are smoothly pulled in by an integrated mechanism:

- + Soft closing
- + Maximum comfort
- + Wide metal handles

4 Central locking

The central locking ensures with one movement of the hand or finger pressure the safe driving and transport of dishes and tableware:

- + Transport without any problem
- + More driving pleasure without the risk of drawers falling out

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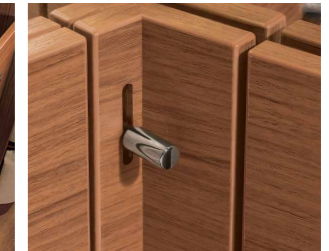
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UTILITY PATENT



THE MAXIMUM SIZE OPEN
BATHROOM IN ITS
CATEGORY: »UTILITY MO-
DEL« REGISTERED IN THE
PATENT OFFICE

This way, our indoor designers obtain a first impression with the study of a spacious bathroom (StudioSyn) on how a person may stretch out on round about 1.8 sqm – and this with a total length of the bodyshell starting from 6.5 m.

1 In some Arto models you will possibly find the largest shower of the entire sector:

- + with 0.62 sqm almost twice the size of conventional showers
- + extremely much room to move for arms, feet and elbows
- + lockable door for the shower stall
- + shower tray made of tear-proof GRP
- + state-of-the-art fittings

2 Wellness bathroom with swivel toilet

These Arto models additionally are fitted with a swivel-type toilet with lockable door registered for a patent:

- + It can be swivelled out in case of need and can be used in the shower area
- + Functional double utility: Single-hand operating comfort

3 Functional and easy to operate

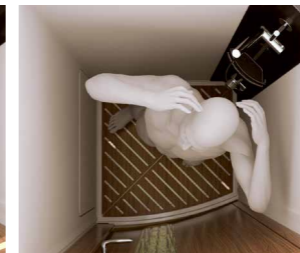
The rotatable toilet can be found in many Arto models because of its enormous popularity:

- + By sliding the toilet away it can be hidden in the garage
- + Unique comfort, trademarked functionality: We convert your ideas into reality

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SPACIOUS AND WELLNES BATHROOM



SPACIOUS AND WELL- NESS BATHROOMS IN THE FLAIR: COMFORTABLE, BEAUTIFUL, FUNCTIONAL, INTELLIGENT AND VERY LARGE

Today most parking grounds for motorhomes offer direct water connections. Who is travelling with the motorhome therefore loves to use the own shower:

- + A lot of space in the shower area
- + Tear-resistant GRP shower tray
- + Mirror surfaces additionally increase the feeling of space

1 Even more Flair and time for indulgence

The spacious wellness bathroom convinces with many fancy sanitary installations:

- + Stationary installed wash basin
- + Generously sized mirror cabinet
- + Pleasant light guidance
- + Real glass rainfall style shower stall
- + Hand shower and storage places
- + High-quality tap ware

2 Partition and door for spacious bathroom and toilet

The bathroom of all present Flair and most of the Arto models are fitted with:

- + Lockable door to the lounge area
- + Toilet space separable with the same door
- + Window for daylight and good ventilation

3 High-quality fittings and latches

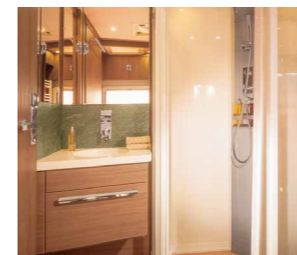
A feeling you know from home:

- + Solid fittings
- + High-quality door handle sets
- + Valuable latches
- + Room-saving solutions (double utility)

4 Wellness area for resting and relaxing

In the Flair and in some Arto-Modells the rear sleeping area can be separated from the spacious bathroom with a solid sliding door for enjoying your repose without bother.

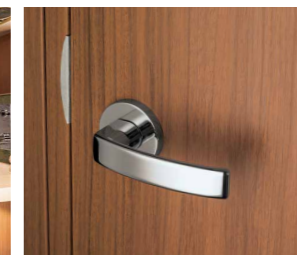
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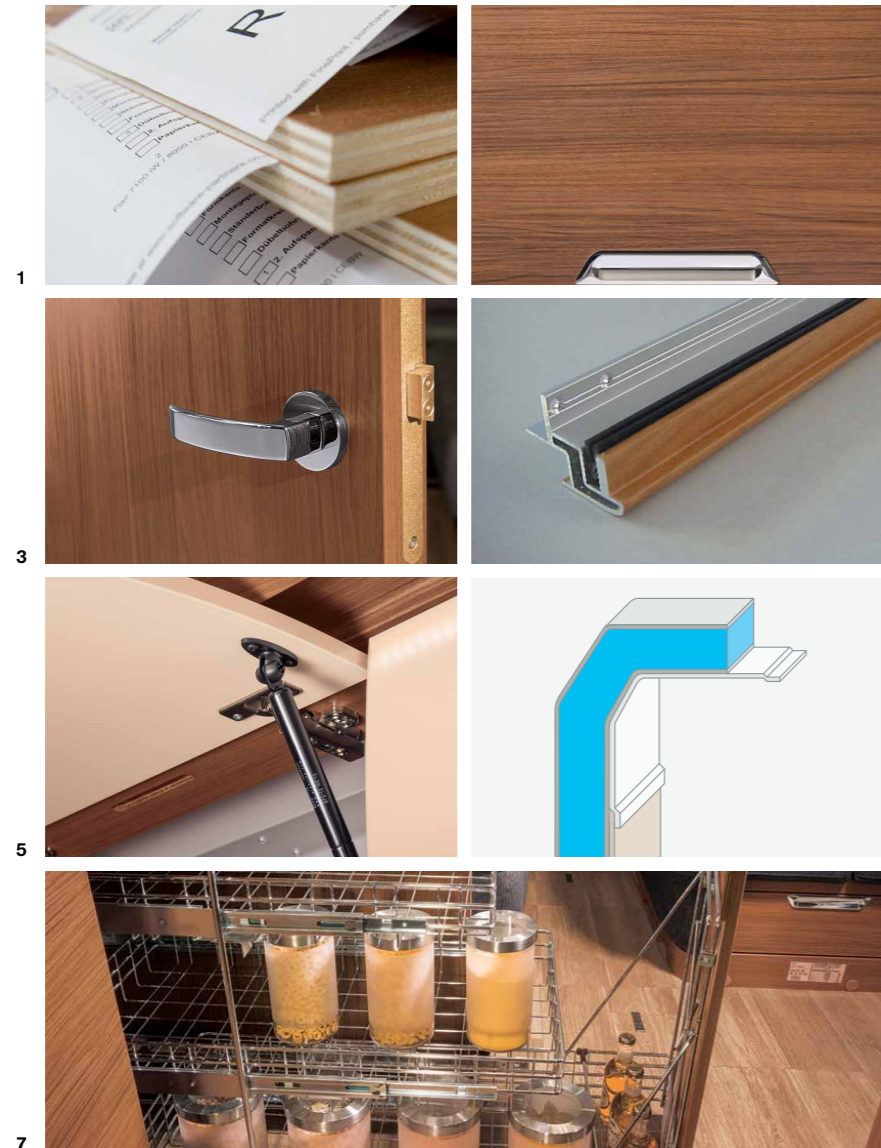




QUALITY MANAGEMENT

MORE QUALITY AND A UNIQUE CABINETS

The exemplary and first-class cabinetry in the Arto and Flair is the result of many years of experience of competent staff members and optimised production sequences. Our foremen in the work manage and examine a demanding quality management, and they know the field requirements first-hand and from their own journeys with exclusive Premium Liners.



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1 We are using the best components

For example light, steady, manifold glue laminated wood with high-quality furniture decorative coating:

- + Resistant to twisting
- + High surface quality
- + Resistant

This is new for example:

- + Genuine slate, varnish and chrome trims
- + Entrance: handle with leather application

2 Push-to-open locks

The comfortable push-to-open locks of the high cupboards make opening easy and easy-to-handle.

- + First-class chrome trims and handles
- + No annoying pulling or pushing on cheap, protruding buttons
- + Long-lasting, high-quality locks
- + More design, better functionality

3 High-quality metal fittings

Rod hinge locks on the metal wall cabinets, no locks made of plastic; and first-class alignment fittings on the vertical door surfaces:

- + No fast breaking down
- + No unnecessary wear or rattling
- + Safe closing of inside hatches and doors

4 System profiles

High-tensile aluminium corner profiles for fastening the metal fittings:

- + Very resistant
- + Innovative and robust
- + Improved statics
- + Considerably lesser damages
- + Significantly longer service life

5 Eccentric and gas spring opener

The individual furniture of the up-to-date cabinetry are friction-locked and durably screwed home by means of eccentric connectors, and possible mounting errors are minimised. Gas pressure prop-up elements open and close the locker doors silently and comfortably.

6 Solid fixations

Long-lasting and friction-locked fastening of the furniture components to the floor, the aluminium sides and the complete wrap-around aluminium reinforcement:

- + Torsion-resistant cabinetry
- + Free from thermal bridges at the fastening points
- + High accuracy of fit and precision

7 Tested safety

Hinges and telescopic elements of the object cabinetry comply with their promise:

- + Tested are more than 60,000 opening and closing cycles
- + Three-dimensional adjustability of the metal fittings
- + Proven suppliers (quality management)
- + Permanent quality tests (quality assurance)
- + Cabinetry standards are used as a benchmark in purchasing



THE UNIVERSE OF UPHOLSTERY



HIGH-QUALITY UPHOLSTERY WITH BEST VALUES AND UP TO 50,000 SCRUB CYCLES »AS STANDARD«

Fabrics, leather and upholstery must smell agreeable, be a haptic pleasure, allow accessories, be long-lasting and beautiful, must visually enhance the room and must offer a sensible comfort and matching cushions for decoration and seating support. The new seat upholstery includes a new three-layer foam concept offering an especially high seating comfort. The back padding can be chosen in classical or modern cushion look, and furthermore they can be easily changed without need to change the driver and passenger seat. This also includes the matching covers with convenient seat pocket. This diversity allows you to introduce your personal touch, and finally also to easily change the upholstery.

Worlds for living of the extra class

A wonderful, high-quality and fascinating diversity of unique upholstery fabrics are a choice for all models of the new series 2014. You can view a comprehensive menu of all versions in the first part of the catalogue:

- + Roughly 50,000 scrub cycles (the furniture industry as an average offers 20,000 cycles)
- + Extremely high resistance
- + Automobile standards are „out bidden“

Water- and dirt-repellent

Optically, haptically and qualitatively measurable quality advantages:

- + Latex and Teflon coating
- + Easy to clean
- + High seating comfort
- + Approved quality
- + High contractibility speed and minor weakening of the fabric's elasticity

Long durability

High fastness to light and stability of value also in case of used motorhomes:

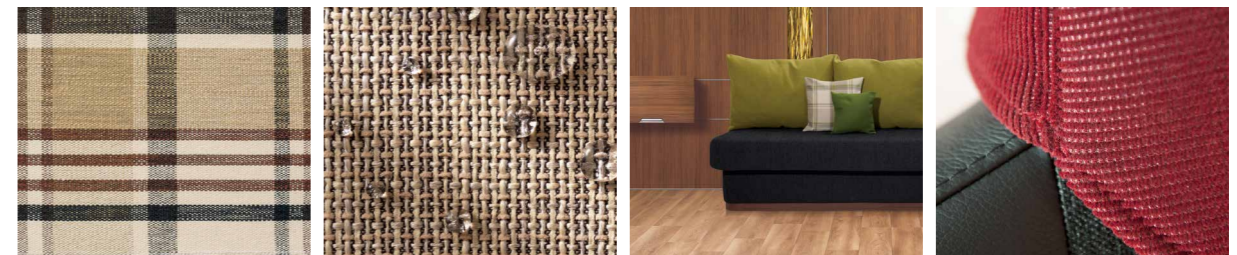
- + Extremely slight fading of colours (fastness to light factor 5; furniture industry mostly 3 – 4)
- + Minimal deformation, long duration
- + High-quality wall and ceiling facings (sound and heat insulating)

Tested quality

We test all materials according to high quality standards with respect to the upholstery and material quality. This includes among others:

- + Scrub resistance, maximum tensile force, fire behaviour, fastness to rubbing, pressure resistance and stain protection

* Arto and Flair: optional





GRANDS CRUS – WORLDS OF COLOUR



10 GRANDS CRUS A VIEW OF OUR MOST BEAUTIFUL WORLDS OF COLOUR AND UP- HOLSTERY WITH TWO MATCHING DECORATIVE CUSHIONS

4 living room suits / 2 back cushion worlds: »Clouds«, »Kiss« / Comfortable doors / »Green Grass« illumination / Wood or slate (genuine stone) / 10 Grands Crus with 2 cushions / 2 full-grain leather outfits

Grand Cru No.1

The versions No.1 to No.6 are exclusively available in the up-to-date cushion version »Kiss« with two very nice matching decorative cushions of two different sizes, 30 x 30 cm and 40 x 40 cm.

Make: »Kiss«

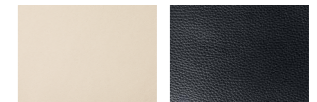
Seat upholstery: Crème, Shadow, Temptation and Attraction

> P. 38 | Grand Cru No. 1 + Shadow

+ wooden colour cupboards

> P. 54 | Grand Cru No. 1

+ Crème + varnished light cupboards

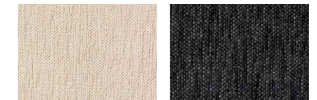
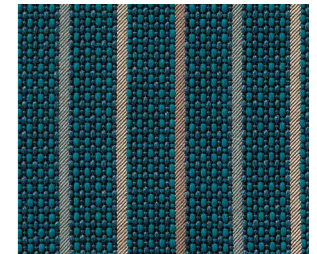


Grand Cru No.2

Blue is the favourite colour of most people. We have refined this unique upholstery fabric with delicate stripes.

Make: »Kiss«

Seat upholstery: Crème, Shadow, Temptation and Attraction



Grand Cru No.3

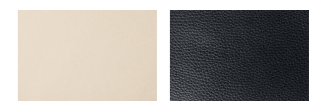
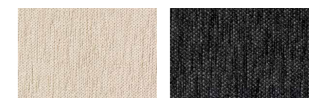
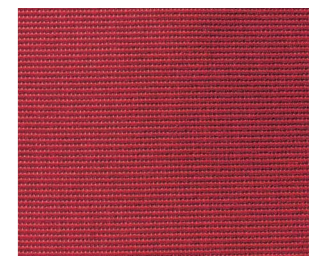
The fabric for the back padding Grand Cru No.3 with the cheerful red shade belongs to our up-to-date worlds of colour of highest dynamics and the most alluring charm.

Make: »Kiss«

Seat upholstery: Crème, Shadow, Temptation and Attraction

> P. 26 | Grand Cru No. 3

+ Shadow + varnished light cupboards

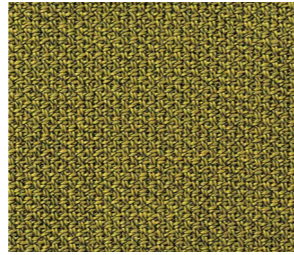


Grand Cru No.4

This fresh apple-green at present is the absolute bestseller and one of the most impressive colours being very popular today in modern designs.

Make: »Kiss«

Seat upholstery: Crème, Shadow, Temptation and Attraction

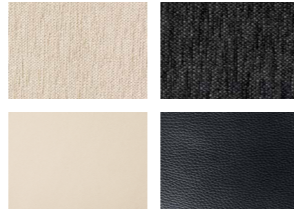
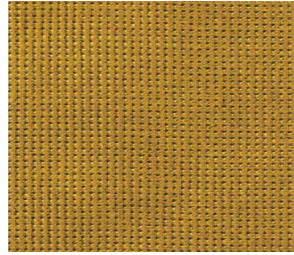


Grand Cru No.5

A wonderful single-coloured upholstery fabric with two very attractive decorative cushions, matching very well all three seat upholstery versions.

Make: »Kiss«

Seat upholstery: Crème, Shadow, Temptation and Attraction

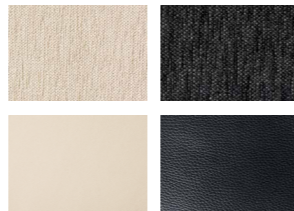
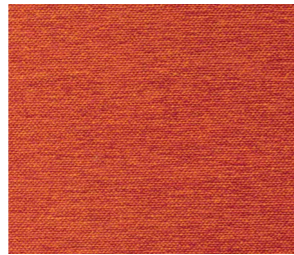


Grand Cru No.6

The Grand Cru No.6 is the perfect world of colour, for which the cushions are made of the same fabric as the seat upholstery Crème and Shadow, but are also an excellent match for the full-grain leather Temptation.

Make: »Kiss«

Seat upholstery: Crème, Shadow, Temptation and Attraction

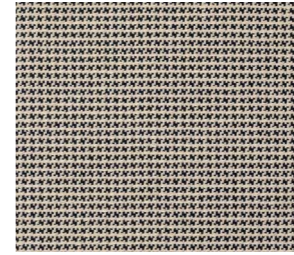


Grand Cru No.7

The back padding Grand Cru No.7 is available in both styles, and is the classical pattern for flexibly designing your picture-perfect Liner in terms of colour. This ambience allows the complement of almost all colours without problem.

Make: »Kiss« | »Cloud«

Seat upholstery: Crème, Shadow, Temptation and Attraction

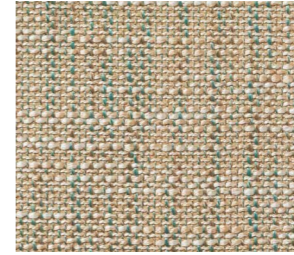


Grand Cru No.8

The mint green coloured enclosures in the back padding are effective with each seat upholstery, and is up-to-date with classically styled and rounded cushions. The pattern of the decorative cushions are additionally eye-catching.

Make: »Kiss« | »Cloud«

Seat upholstery: Crème, Shadow, Temptation and Attraction



Grand Cru No.9

Grand Cru No.9 with the fluffy surface and subtle honey-coloured stripes increases your quality and comfort of living.

Make: »Kiss« | »Cloud«

Seat upholstery: Crème, Shadow, Temptation and Attraction



Grand Cru No.10

Also our tenth version offers best values with about 50,000 scrub cycles and a first-class seating comfort, and two appealing makes - completely according to your taste.

Make: »Kiss« | »Cloud«

Seat upholstery: Crème, Shadow, Temptation and Attraction



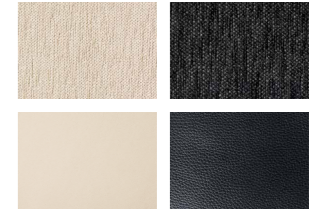
Leather »Temptation«

The exclusive full-grain leather outfit »Temptation«

Make: »Kiss« | »Cloud«

Seat upholstery: Crème, Shadow, Temptation and Attraction

> P. 64 | Temptation + wooden colour cupboards

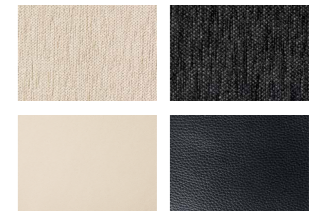


Leather »Attraction«

The exclusive full-grain leather outfit »Attraction«

Make: »Kiss« | »Cloud«

Seat upholstery: Crème, Shadow, Temptation and Attraction



4 living room suits / 2 back cushion worlds: »Cloud«, »Kiss« / Comfortable doors / »Green Grass« illumination / Wood or slate (genuine stone) / 10 Grands Crus with 2 cushions / 2 full-grain leather outfits



SLEEPING CONCEPT



THE BEST SLEEPING COMFORT: SPOT-ELASTIC FROLI BED SYSTEMS

Best comfort for sleeping with the unique, Froli bed system with point-by-point elasticity. If you want to know how much is the noticeable difference and sleeping comfort of the usually offered beds in motorhomes, then you should absolutely test the systems in person, testing in our house or also directly at the manufacturer's. The campaign »Healthy Back« examines and certifies in cooperation with the industrial medical associations solutions, which meet the requirements of the back and our demands, and finally awards the seal of quality of the AGR. This certificate was scored by eco test: »very good«

For your health: Expert test

The German magazine Reisemobil International in edition 11.2010 has tested bed systems and emphasised the following important criteria:

- + Well ventilated bed box
- + High spot elasticity and contractibility
- + Breathability
- + Washable covers
- + Individually adjustable, ergonomic spring base (example: Froli)

1 Certified, spot-elastic bed system

Health is of utmost priority:

- + Preventing contusions of the vertebrae (orthopaedic component)
- + Resilient, bending and selective elasticity when resting
- + Spring elements recyclable at 100%
- + Certified to »Ökotex 100«
- + »Tested safety« (LGA)
- + Many years of experience

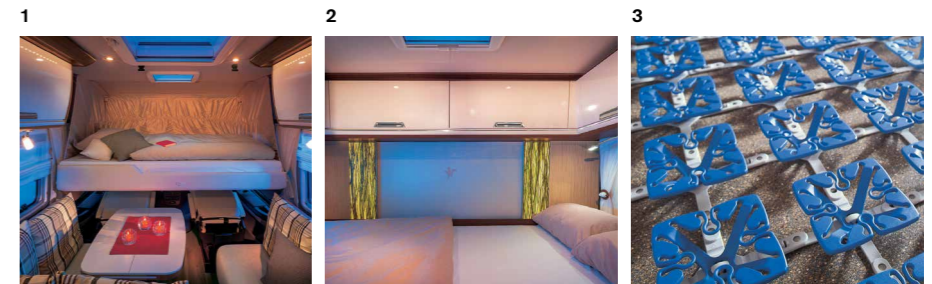
2 Maximum relaxation with seal of quality

The correct position of body and vertebral column in the bed is important:

- + Intervertebral discs are able to regenerate
- + Limbs are well supplied with blood
- + No tensions in neck and muscles of the back
- + Ergonomic support
- + A quiet and relaxing sleep

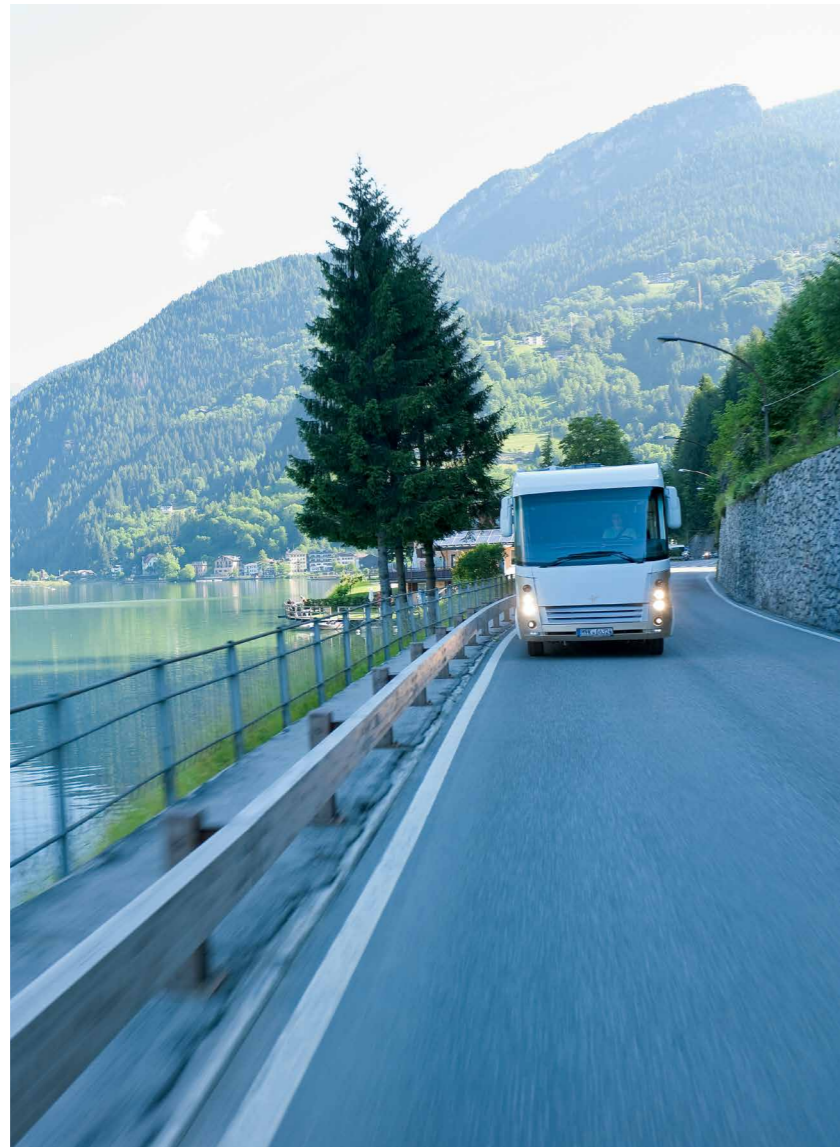
3 Froli bed systems: Absolutely our No.1

In combination with a good disc spring base or a spot-elastic system from Froli as well as a high-quality PUR cold foam mattress with appropriate weight of at least 40 kg/sqm, and humidity-transporting, temperature-controlled fibres. Our Froli bed system therefore is almost perfect!





BEST PRACTICE IN MOTORHOMES



OUR LINERS DO NOT
ONLY HAVE THE BEST
DOUBLE FLOOR AND
TRAP CONCEPT ... *

1 Comfortable access to the inside

Inside service trapdoor with disappearing handles are included in our standard Liner range, using the advantages of the double floor where it is possible to also position and fasten jerry cans, batteries, waste containers safely between struts and steel frame.

2 Fully insulated locker doors

All outside locker doors are made of our wall material:

- + Two-sided aluminium
- + Styrofoam insulation
- + Easy use

3 Frost-proof and can be centrally actuated

In double floor and garage can be installed technically sensitive sections and wiring without any problem:

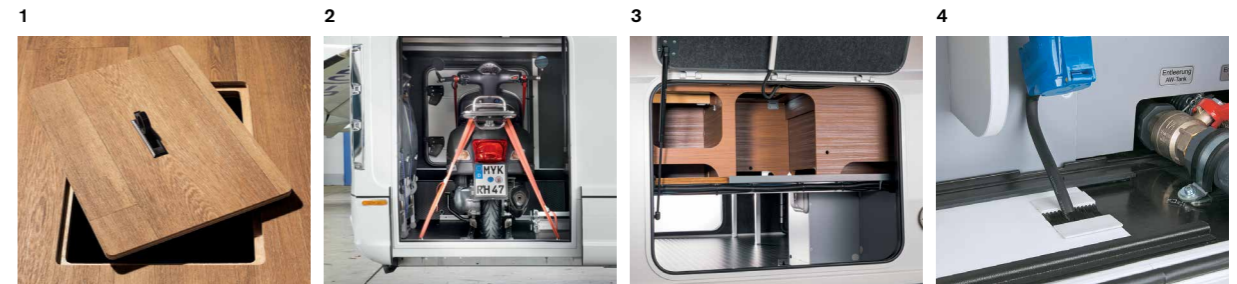
- + Well ventilated from behind and heatable
- + Protection against outside effects
- + Intrusion of cold and water is well blocked off
- + Central maintenance is possible

4 Service trapdoor of Liner quality

The well accessible service door is exclusively mounted on driver's side:

- + No generation of odours
- + No disposal in the entrance area
- + Easy approach to a service station
- + Central and frost-proof disposal
- + Not the usual submersible pumps, but an up-to-date water pressure system

* Arto and Flair: optional





BEST PRACTICE IN MOTORHOMES



QUALITY FROM NIESMANN+BISCHOFF: FOR THE BEST TIME OF LIFE

Safe driving training on the Nürburg Ring. Here, our Liners were put to the acid test in 2011 with a sensational performance, thus proving why the running gear, the special constructions, the components of the bodyshell and cabinetry are so unique and do not creak. The chase through the Nord-schleife at 160 km/h moreover was a lot of fun for the professional racing team and drivers.

1 Endurance test: Fit for the series

Before a Liner goes into production, the motorhomes have to do at least 100 laps on a test track:

- + Extreme load, maximum requirement
- + »Sine wave track« (pitch vibrations)
- + »Belgian Block« tests suspension properties durability
- + »Washboard track«, pothole areas and concrete corrugations for vibration strain

2 Climatic chamber, test track and safe driving check

Prior to series production our vehicles are tested for example in the climate chamber in Sweden, are driven on outside test tracks and submitted to an extensive safe driving check.

- + Best marks for our »participants«
- + Perfect technology

3 We don't leave anything to chance

We also check the driving behaviour on our on-site test track:

- + Potholes and obstacles for evaluation of the torsional strength
- + Different surfaces, ramps basalt cobblestone pavement

4 Leak test and final check

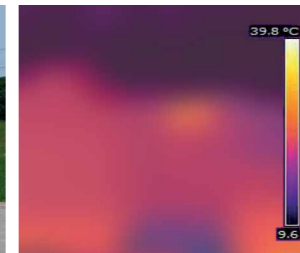
Each Liner is thoroughly examined by a specialist team:

- + 140 items (test catalogue)
- + Beginning with the processing of the furniture and inside flaps right up to the outside appearance
- + Check of the glued and sealing surfaces
- + Functional check, impermeability check and concluding final inspection

1



2



3



4





BEST PRACTICE IN MOTORHOMES



COMFORT, COMFORT, COMFORT: ENTIRELY SATISFIED

No matter if Arto or Flair: Our Premium Liners are counted among the most demanded objects within this class, and can be obtained for less money than you think. Compare for yourself: It's worth it.

1 Best quality for our Liners

Best practice in motorhomes – this answers our philosophy in development and production of the most attractive Liners:

- + We purchase first-class materials
- + We develop foremost concepts
- + We have a lot of experience
- + We meet high quality controls

2 Innovations for exemplary technology

The process of continuous optimisation, e.g. use of the latest LED technology in all new motorhomes, already starts with planning.

- + Power consumption only 10% of the usual light bulbs
- + Longer lasting
- + No heat generation

3 Design for the most beautiful Liners

From our point of view the new Liners can hardly be overcome and impressively meet the requirements of their outstanding reputation:

- + Design awards
- + Customer-focused design
- + Focus on the best models
- + Outstanding price-performance ratio

4 Made in Germany

For more than 30 years Niesmann+Bischoff is concentrating on the design of exclusive Liners, and since that time they are produced in the upscale production unit in Polch. With a good reason we are proud of that, and our customers appreciate this high-class workmanship.

For the best time of life

1



2



3



4



IMPORTANT INFORMATION
IMPRINT

Subject to errors and modifications. After the deadline [07/2013] possible changes might have arisen on the models and products, vehicle layouts, technical data, equipments, illustrations etc. The illustrations do also include optional equipment and/or accessories, which do not belong to the standard equipment or decoration not being part of the product range of Niesmann+Bischoff. Illustrations might be displayed manipulated by the graphical execution, image processing or production-technical circumstances.

Editor

Niesmann+Bischoff GmbH
Clou-Straße 1 | 56751 Polch
T 49 2654 933 0
F 49 2654 933 100
M info@niesmann-bischoff.com
W niesmann-bischoff.com/en

Conception and creative design

www.milchundhonig-dk.de

Realisation

www.gotteswinter.de



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