



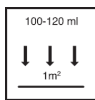
Multi-Purpose Varnish 3 in 1

Water-based weatherproofing, metal protection and coloured varnish. For use as primer, intermediate and finishing coat on wood, metal and PVC



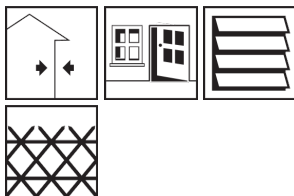
Colour	Availability				
	Quantity per pallet	360	672	200	96
	Size / Quantity	3 x 0,375 l	3 x 0,75 l	3 x 2,5 l	1 x 5 l
	Type of container	Can	Tin bucket	Tin bucket	Tin bucket
	Container code	83	01	03	05
	Art. no.				
white (RAL 9016)	7744	■	■	■	■
anthracite grey (RAL 7016)	7746	■	■	■	■
light grey (RAL 7035)	7747	■	■	■	
silver grey (RAL 7001)	7748	■	■	■	
moss green (RAL 6005)	7749	■	■	■	
Scandinavian red	7750	■	■	■	
nut brown (RAL 8011)	7751	■	■	■	
jet black (RAL 9005)	7753	■	■	■	
iron grey (DB-703)	7754	■	■	■	
special colours	7755		■	■	■
MULTI-PURPOSE VARNISH 3 IN 1 BASE A	015244		■	■	■
MULTI-PURPOSE VARNISH 3 IN 1 BASE C	015245		■	■	■

Application rate



Bare ferrous metals: 2-3 x 100-120 ml/m²
 Rigid PVC, non-ferrous metals and intact old coatings: 2 x 100-120 ml/m²
 Wood: 2 x 100-120 ml/m²

Range of use



- Interior and exterior use
- Wood, metal & PVC
- Windows, doors & garage doors
- Downpipes & gutters
- Radiators
- Summerhouses, carports & conservatories
- Profile boards, fences & railings
- Cladding, ceiling & wall panelling
- Primer, intermediate and finishing coat
- Can also be used as a maintenance coat
- Not suitable for coating floor or roof surfaces.

Property profile



- Water-based
- Ventilating effect
- Isolating effect against substances contained in the wood
- Tested corrosion protection according to DIN EN ISO 12944-6
- Inhibits rust from screws and nail heads
- Highly weather-resistant and low-chalking
- Good edge coverage



- Weatherproof and moisture-regulating
- Resistant to yellowing
- Very resistant to dirt
- Very good adhesion to the substrate
- Block resistant (as per EN-927-10)
- Reduces discolouration due to nicotine

Characteristic data of the product

Density (20 °C)	Approx. 1.27 g/cm ³
Odour	Characteristic
Degree of gloss	Silk matt

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- **DIN EN 71-3 "Migration of certain elements"**

Possible system products

- **Wood Preservative Primer* (2066)**
- **Stair & Parquet Varnish (2390)**

*Use biocidal products carefully.
Always read the label and product information before use.

Preparation

■ **Substrate requirements**

The substrate must be clean, dry, free of dust, grease and loose substances, and prepared in the correct manner.

Dimensionally stable wood building elements: wood moisture content 11-15%

Wood building elements with limited or no dimensional stability: wood moisture content max. 18%

■ **Substrate preparation**

Thoroughly remove any dirt, grease and non-adhering old coatings.

Wood substrates:

Thoroughly sand any old coatings that are still intact.

Sand grey and weathered wood surfaces down to sound, bright wood.

Remove loose and torn knots as well as resin that bleeds and clean with a suitable product (e.g. Remmers thinner & brush cleaner).

Exterior wood that needs to be protected against soft rot and blue stain must be pre-treated with a suitable wood preservative* (*Use biocides safely. Always read the label and product information before use).

The drying times must be observed.

Observe BFS Code of Practice No. 18 "Coatings on Wood and Wooden Working Materials in Outdoor Areas".

Rigid PVC, aluminium (not anodised) and zinc (galvanised steel):

Use an abrasive pad to apply an ammoniacal wetting agent. Observe BFS Code of Practice No. 22 for rigid PVC, BFS Code of Practice No. 6 for aluminium and BFS Code of Practice No. 5 for zinc.

Load-bearing old coatings:

Remove any old coatings not capable of supporting a load, making sure not to leave any residue.

Only apply coatings to non-chalking substrates that are capable of bearing a load.

Refer to BFS Code of Practice No. 20.

Iron, steel:

Derust thoroughly. Remove scale layers and rolling skin (derust manually to SA 3 standard of cleanliness). The best results are achieved if the substrate has been sand blasted to SA 2.5 standard of cleanliness (DIN EN ISO 12944-4).

Round off sharp edges and ridges.

Refer to BFS Code of Practice No. 20.

Directions



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +5 °C to max. +25 °C.

Stir well.

Apply with a brush, roller or by spraying.

- **Spraying parameters for light and dark colours:**

Airmix spraying: nozzle 0.28 - 0.33 mm, material pressure: 100 - 140 bar, atomiser air pressure: 1.2 - 2 bar.

Airless spraying: nozzle 0.28 - 0.33 mm, material pressure: 180 - 200 bar

- **Spraying parameters for metallic colours (iron grey, DB-703):**

Airless spraying: nozzle 0.33 - 0.38 mm, material pressure 180 - 200 bar, pistol filter 300 - 600 µm.

Apply further coats once dry.

Seal opened containers well and use contents as soon as possible.



Tips on use



Check the product's compatibility, adhesion and sealing effect on the substrate by applying to trial areas.
Cut end-grain surfaces at the bottom to create a water-drip edge.
End-grain wood preservative should first be applied to end-grain wood and cut surfaces in order to protect them against moisture.
Areas that are being coated or dried should be protected against rain, wind, sunlight and condensation.
Do not use on wood impregnated with boron salts.
Do not apply on lead.

■ **Drying**

Dust-dry: 1 - 2 hours
Ready for overcoating: approx. 6 hours

Practice values at +20 °C and 65% relative humidity.
The coating may take significantly longer to dry thoroughly in lower temperatures, at high humidity or if the maximum layer thickness has been exceeded.
Longer drying times can improve the sealing effect.
The product's insulating effect may be impaired if it is diluted too thinly, if the wood is too wet or if the recommended coating sequence, application volumes and drying times are not observed. With water-based coating systems, there is always the residual risk that substances contained in the wood will leach out.

■ **Thinning**

Ready to use

Application examples

Application examples	Standards	Cleaning	Instructions	Base coat	Intermediate coat	Final coat
Wood	Please refer to BFS Code of Practice No. 18	Remove all traces of dirt, grease and non-adhering old coatings. Remove loose and torn knots and bleeding resin, and clean (e.g. with thinner and brush cleaner).	Depending on the wood substrate and load class, we recommend setting up a trial surface to check the adhesion/sealing effect	Wood Preservative Primer* (outdoors, protection against blue stain and soft rot)	Multi-Purpose Varnish 3 in 1	Multi-Purpose Varnish 3 in 1
Rigid PVC	Please refer to BFS Code of Practice No. 22	Remmers thinner and brush cleaner or ammoniacal cleaning agent with abrasive cloth	Depending on the PVC type and load class, we recommend setting up a trial surface to check the adhesion	Multi-Purpose Varnish 3 in 1	---	Multi-Purpose Varnish 3 in 1
Aluminium (not anodised)	Please refer to BFS Code of Practice No. 6	Remmers thinner and brush cleaner or ammoniacal cleaning agent with abrasive cloth	Depending on the aluminium type and load class, we recommend setting up a trial surface to check the adhesion	Multi-Purpose Varnish 3 in 1	---	Multi-Purpose Varnish 3 in 1
Load-bearing old coatings	Please refer to BFS Code of Practice No. 20	Remove all traces of non-adhering substrates. Coatings may only be applied to non-chalking substrates that are capable of bearing a load.	Depending on the old coating, we recommend setting up a trial surface to check the adhesion	Multi-Purpose Varnish 3 in 1	---	Multi-Purpose Varnish 3 in 1
Zinc gutters and sheeting	Please refer to BFS Code of Practice No. 5	Remmers thinner and brush cleaner or ammoniacal cleaning agent with abrasive cloth	Depending on the zinc type and load class, we recommend setting up a trial surface to check the adhesion	Multi-Purpose Varnish 3 in 1	---	Multi-Purpose Varnish 3 in 1
Iron and steel	Please refer to BFS Code of Practice No. 20	Remove all traces of rust, rolling skin, scale and welding residue mechanically until a shiny metallic surface is visible.	Degree of purity SA 2.5 (jet blasting) and ST3 (mechanical) according to DIN EN ISO 12 944-4. In addition, sharp edges and burrs must be rounded off.	Multi-Purpose Varnish 3 in 1	Multi-Purpose Varnish 3 in 1	Multi-Purpose Varnish 3 in 1

Notes

DIN EN 71-3 "Migration of certain elements":
This product complies with the limits for the migration of heavy metals to children's toys according to DIN EN 71-3 and thus fulfils one of several further requirements for the safety of children's toys according to the EU "Toy Directive" (2009/48/EC).
In the presence of air and water, aluminium forms an oxide layer that can have a negative impact on the product characteristics of coatings. Therefore, when working with aluminium, the coating must be applied immediately after pre-treating the substrate.
Observe the regulations concerning design principles for wood protection.
Do not use on horizontal surfaces without drainage slopes and without edge radius, avoid accumulated moisture.
Colour deviations may occur with mica shades in comparison with printed colour charts, during touch-up work and with different application methods. Different batches of the same product should be mixed. Colour deviation according to BFS data sheet no. 25 Appendix A.3.

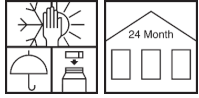


Tools / Cleaning



Brush with synthetic bristles, flat brush, foam roller, Airmix/airless spraying equipment
 Clean tools immediately after use with water and detergent.
 Ensure that any residue from cleaning is disposed of correctly.

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 24 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Personal protective equipment

Respiratory protection with a particle filter P2 must be worn during spraying, together with protective goggles. Wear suitable protective gloves and clothing.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

VOC content as per the "Decopaint" Directive (2004/42/EC)

EU limit value for the product (cat A/d): max. 130 g/l (2010).
 This product contains < 130 g/l VOC.

VOC	
Kat.	A/d
2010:	130g/l
max.:	130g/l

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.