



AG-20 Universal Primer

Adhesive primer for metals, rigid plastics and wood, protects against rust and seal off substances in the wood

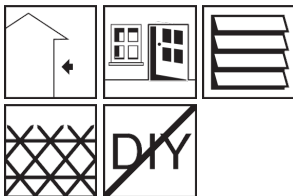
Colour	Availability		
	Quantity per pallet	200	22
	Size / Quantity	2,5 l	20 l
	Type of container	Tin bucket	Tin bucket
	Container code	03	20
	Art. no.		
white	7150	■	■
grey	7153	■	
red-brown	7154	■	

Application rate

As an adhesive primer and to seal off substances in the wood: 80 - 100 ml/m² depending on the substrate
For corrosion protection: 2 x 100 ml/m²



Range of use



- For use on exterior wood
- Wood containing high levels of substances that can cause staining and exotic wood (e.g. Bangkirai, Moabi, Massaranduba, Kasai, Kambala, Framire, Hevea, Sapele, Sipo, Meranti, oak, ash)
- Primer and intermediate coat
- Dimensionally stable wood building elements: e.g. windows and doors
- Wood building elements with limited dimensional stability, e.g. folding shutters, matchboarding, summerhouses
- Wood building elements with no dimensional stability: e.g. fences, framework, carports, planking
- Rigid PVC
- Metal substrates, e.g. (galvanised) steel, pure aluminium, copper, brass
- Not suitable for anodised aluminium and freshly hot-dipped, galvanised steel
- For use by professionals

Property profile



- Very good adhesion to the substrate
- Reduces yellow stains caused by water soluble substances in the wood when light shades of finishing coat are used
- Film preserver protects against microbial damage
- Good edge coverage
- Very good hiding power
- High degree of pore filling
- Protects against corrosion
- Can be overcoated with many products: (see system products)

Characteristic data of the product

Binder	Alkyd resin mixture
Density (20 °C)	Approx. 1.3 g/cm ³ at 20 °C
Viscosity	Approx. 1100 mPa·s
Odour	Solvent-like

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

Possible system products

- [IG-10 Impregnation Primer IT* \(7144\)](#)
- [Rofalin Acrylic \(2330\)](#)
- [Rofalin Acrylic Plus \(2329\)](#)
- [VL-60/sm Venti Coat 3 in 1 \(7170\)](#)

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

Preparation

- Substrate requirements



The substrate must be clean, dust-free and dry.
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.

Exterior wood:

Sand grey and weathered wood surfaces down to sound, bright wood.
Remove any loose and torn knots as well as resin that bleeds from the wood and clean with a suitable product (e.g. V 101 Thinner).

Use IG-10 Impregnation Primer IT* to pre-treat exterior wood requiring protection against insects, soft rot and blue stain. (*Use biocides safely. Always read the label and product information before use.)

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

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).

Sanded metal finish: P 150 - P 180.

Round off sharp edges and ridges.

Refer to BFS Code of Practice No. 20.

Zinc (galvanised steel):

Clean with an ammonium-based wetting agent, using an abrasive pad. Observe BFS Code of Practice No. 5.

Aluminium:

Clean with V 101 or V-890 thinner, or a cleaning agent that contains phosphoric acid. Observe BFS Code of Practice No. 6.

Plastics:

Treat rigid PVC, PUR, polyester, acrylic, and melamine resin coatings (Resopal) with V 101 or V-890 thinner and an abrasive pad.

Directions



- **Conditions for use**
Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.

Stir well.

Apply with a brush, roller or by spraying.

Airmix spraying: nozzle size: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar.

Airless spraying: nozzle size: 0.23 - 0.28 mm, material pressure: 70 - 80 bar.

Flow cup gun: nozzle size: 2.0 - 2.5 mm; atomiser air pressure: 2.0 - 3.0 bar.

After drying and intermediate sanding, coat with a water-based or solvent-based lacquer.

Observe the waiting times between coats.

Tips on use



- Check the product's compatibility, adhesion and sealing effect on the substrate by applying to trial areas.
Areas that are being coated or dried should be protected against rain, wind, sunlight and condensation.

- **Drying**
Dust-dry: after approx. 1 hour
Ready for next coat: after approx. 12 hours
Practice values at +20 °C and 65% relative humidity.
If a water-based finish is used, overnight drying is required.
Low temperatures, poor ventilation and high humidity delay drying.
- **Thinning**
If necessary, dilute with max. 10% Thinner V 101.

Notes

Insulation of resins and substances contained in the wood.
If discolouration continues even after following these steps, we recommend contacting our RTS (Remmers Technical Service).
Bleeding resin is a natural phenomenon and cannot be prevented by coating measures, see BFS Code of Practice No. 18.
The mineral content naturally found in exotic woods may cause discolouration.
On planed larch and softwoods with a high resin content, the coating may have reduced adhesion and resistance to weathering. This is especially the case on horizontal year rings, knots and areas of winter growth that are high in resin. Maintenance and renovation must be carried out more frequently on these surfaces. The only remedy for this is pre-weathering or very coarse sanding (P80). If these wood types are rough-sawn, considerably longer maintenance and renovation intervals are to be expected.



Tools / Cleaning

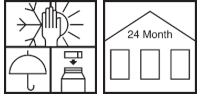
Brush with natural bristles, flat brush, foam roller, air-mix/airless spraying equipment, flow cup gun



Clean tools immediately after use with V 101 Thinner.
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 at least an A/P2 combination filter must be worn during spraying, together with safety 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.

Biocidal Products Regulation

Contains as "treated goods" a biocidal product (film preservative) with the biocidal active agent 3-iodo-2-propynyl butylcarbamate to protect the film from contamination by microbial organisms (algae, mould etc.). Always follow the directions carefully!

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

EU limit value for the product (Cat. A/h): max. 750 g/l (2010)
This product contains < 750 g/l VOC.

VOC	
Kat.	A/h
2010:	750g/l
max.:	750g/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.