



## Technical Data Sheet Art. No. 5420

# All Primer

Adhesive primer for metals, rigid PVC & wood that protects against rust and seals off substances in the wood.



Water based



For use indoors and outdoors



For dimensionally stable building elements



For building elements with limited dimensional stability



For building elements with no dimensional stability



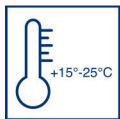
Brush/roller / airless/air-mix spraying flow cup gun



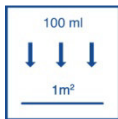
Stir well before using



Drying time / coated over after 12 hours



Working temperature



Application rate per coat



Shelf-life



Store frost-free and cool / protected from moisture / in closed containers

### Range of use

- Primer and intermediate coat
- Metal substrates, e.g. (galvanised) steel, pure aluminium, copper, brass
- Rigid PVC
- For wood indoors and outdoors

Not suitable for anodised aluminium and freshly hot-dipped, galvanised steel.

Do not apply to freshly impregnated wood.

Observe fixation time.

### Property profile

- Very good adhesion to the substrate
- Active corrosion protection

### Characteristic data of the product

Density:	approx. 1.26 g/cm <sup>3</sup> (20 °C)
Viscosity:	thixotropic, approx. 1500-2000 mPa s
Odour:	mild
Degree of gloss:	matt

- Reduces yellow stains caused by water soluble substances in the wood when light shades of finishes are used
- Can be coated over with many products: (see system products)
- Low solvent, environmentally correct, mild odour

### Colours:

Art. No. 5420 white  
Art. No. 5421 grey  
Art. No. 5422 reddish brown

### Substrate

#### Requirements:

Dimensionally stable wood building elements:

Wood moisture 11 - 15 %

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

**Preparation:**

Remove dirt, grease and non-adhering old coatings thoroughly.

▪ **Wood substrates**

Sand grey and weathered wood surfaces down to sound wood. Remove loose and torn knots as well as resin that bleeds from the wood and clean with a suitable thinner (e.g. V 101 Thinner, a nitrocellulose or universal thinner). Pre-treat wood in outdoor areas that needs protection from soft rot and blue stain with Remmers Wood Preservative Primer\* (not necessary for wood in indoor areas). Observe BFS Code of Practice No. 18.

▪ **Iron, steel:**

De-rust thoroughly. Remove forging scales and rolling skin (de-rust manually to ST 3). The best results are achieved if the substrate has been sandblasted to SA 2.5 (DIN EN ISO 12944-4).

▪ **Zinc, galvanised steel:**

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

▪ **Pure aluminium:**

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

▪ **Plastics:**

Rigid PVC, PUR, polyester, acrylic and melamine resin coatings. Treat Resopal with V 101 Thinner or V 890 Thinner and an abrasive pad. Observe BFS Code of Practice No. 22.

**Directions**

**Temperature of the object, air and material:** 15 - 25 °C

Stir the primer well before using. Apply with a brush, roller or by spraying.

Flow cup gun: nozzle: 1.6 mm;  
Spraying pressure: 2.5 - 2.8 bar  
Airless spraying: nozzle: 0.38 mm;  
Spraying pressure: 80-100 bar

After drying and intermediate sanding, coat with a water or solvent based lacquer. Observe the waiting times between working operations.

\* Use wood preservatives with care Always read the label and product information before using.

**Possible system products**

Colour Opaque 2in1 (1317)  
UV Opaque Top (2705)  
Finishing Paint (3600)  
Colour Opaque PU (3470)  
PUR CL-240/30 (1965)  
Aqua CL-440/30 (3802)  
Induline DW-601 (3920)

**Tools, cleaning**

Brush, roller, flow cup or airless spraying equipment

Clean tools and equipment immediately after use with water or Aqua RK 898 Cleaning Concentrate.

**Notes**

**Drying**

Approx. 12 hours at 20 °C and 65 % relative humidity. For faster drying, the coated object can be dried in a drying chamber up to a temperature of 60°C. Low temperatures and high humidity delay drying.

**Thinning**

If necessary with max. 5 % water.

**Packaging, application rate, shelf-life**

**Packaging:**

Tin container:  
0.75 l ; 2.5 l, 10 l

**Application rate:**

100 ml/m<sup>2</sup> per coat

Two coats are required for corrosion protection and to seal off substances in the wood.

**Shelf-life:**

At least 12 months in unopened, original containers stored dry, cool and protected from frost.

**Composition according to VdL-RL 01 (2013)**

Product group:  
Primer

Composition: Polyacrylate dispersion, titanium dioxide, iron oxide, talcum, water, ester alcohol, additives, MIT (methylisothiazolinone).

Advice for people allergic to isothiazolinone can be obtained by calling +49 (0)5432-83138

**VOC content**

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

**Product Code**

M-GP 01

**Safety, ecology, disposal**

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

Personal protective equipment is required for spraying procedures. Respiratory protection with a combination filter at least A/P2 (made by e.g. Draeger). For suitable protective gloves, see Safety Data Sheet. Wear closed work clothes.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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