

## Technical Datasheet

Valthane 520 Black

LTK1199

### **PRODUCT INFO**

#### **Product Description:**

Valthane 520 Black Topcoat is a two component, polyurethane topcoat with an excellent appearance and has excellent gloss and colour retention. For Industrial OEM and repainting, it is easy to use and all colours are chromate and lead free. Can be used for both air-dry and force-dry applications.

#### **Surfaces:**

Surfaces coated with recommended Valspar Primers. For Plastic substrates – after suitability and adhesion test using recommended Valspar Primer.  
Solvent resistant surfaces, cleaned/sanded/hardened original and old paintwork.

#### **Preparation:**

Primer – Wet on Wet or sanded surfaces (Excenter P320-P400) depending of the parts, size and application process. The durability of the coating system largely depends on the thoroughness of the preparation of the surface.

#### **Cleaning:**

Surface must be dry and free from any contamination, e.g. oil, grease, release agents. For non wet on wet application, degrease with Silicon remover.

#### **Recoating:**

Can be recoated with Valspar Valthane 520 Clear Coat.

#### **Physical properties:**




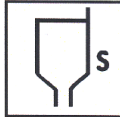


|                                   |  |
|-----------------------------------|--|
| Chemical base                     | Polyurethane   |
| Specific Gravity                  | 0.985  |
| Mixed Volume Solids (%)           | 42%  |
| Pot life (+23°C)                  | approx. 4 – 5 hours                                  |
| Coverage (m <sup>2</sup> / litre) | approx 8.5 – 10.5m <sup>2</sup> / litre (@ 50µm DFT) |
| Gloss                             | High Gloss >90 GU / 60°                              |
| Colour                            | Black  |
| Processing temperature            | +8°C till max. +40°C, max. Humidity 85%              |

## Technical Datasheet

**Valthane 520 Black**

**LTK1199**

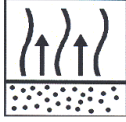




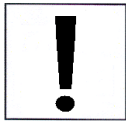
### APPLICATION DATA

|   |  |  |   |
|---|--|--|---|
|    | <p><b>Cleaning</b><br/>With appropriate cleaners</p>   | <p>Surface must be dry and free from any contamination, e.g. oil, grease, release agents</p>   |   |
|    | <p><b>Before use</b><br/>The product must be thoroughly stirred before the Activator and Reducer has been added.</p>   |  |   |
|    | <p><b>Mixing ratio with Activator and Reducer</b><br/>(by volume)</p>  | <p><b>LTK1199</b> Valthane 520 Black<br/><b>LXC7151</b> 520/800 PU Hardener<br/><b>LRC9153</b> PU Fast Reducer or<br/><b>LRC9154</b> PU Medium Reducer or<br/><b>LRC9155</b> PU Slow Reducer</p> | <p>4 parts<br/>1 part<br/><br/>0 – 10%</p>  |
|   | <p><b>Faster drying in low ambient temperatures:</b></p>   | <p><b>LAC9235</b> Accelerator (after Activator)<br/>*Caution: Will reduce pot life*</p>  | <p>0 – 1%</p>   |
|  | <p><b>Application Viscosity</b><br/>18 – 22 sec. Ford 4 @ 25°C</p>   |  |   |
|  | <p><b>Gravity or Suction Feed</b><br/>Nozzle set<br/>Spray gun “High Pressure”<br/>Spray gun “Reduced Pressure”<br/>HVLP (Air cap pressure)<br/>Airless / Airmix</p> | <p>1.3 – 1.5 mm<br/>3.0 – 4.5 bar<br/>1.5 – 2.5 bar<br/>0.7 bar<br/>See manufacturer info</p>  |   |
|  | <p><b>Application</b><br/><br/><b>DFT</b> (Recommended 40 - 60µm)</p>  | <p><b>Option 1</b><br/>½ coat followed by<br/>1 full coat<br/><br/>40 – 50µm</p>   | <p><b>Option 2 – Double coat</b><br/>1 full coat followed by<br/>1 full coat<br/><br/>50 - 60µm</p> |

## Technical Datasheet

Valthane 520 Black

LTK1199

|  |   |  |                             |
|--|---|--|-----------------------------|
|   | <b>Between coats: 23°C</b>  | 2 – 5 minutes  | 5 – 10 minutes              |
|  | <b>Before baking: 23°C</b>  | 10 minutes before force-dry  | 10 minutes before force-dry |
|   | <b>Air-dry: 23°C</b>  | Dust dry: 20 - 30 minutes<br>Dry to assembly: 3 – 4 hours<br>Dry: 10 – 12 hours  |                             |
|  | <b>Force-dry: 60 – 70°C</b>   | 20 – 30 minutes (ensure part temp reaches 60°C)  |                             |
|   | <b>IR-dry</b>   | 5 – 8 minutes Flash-off time, then<br>8 – 12 minutes Short wave<br>(do not let the part temperature exceed 90°C)   |                             |
|    | <b>Polish:</b><br>(possibility)   | Dust and minor imperfections can be polished out after the stated air-dry times have been reached, or after a full bake at 60°C object temperature, followed by a cool down of the object to ambient temperature. Before polishing, make the surface is well cured.<br><br>Follow the instructions of the polish producer! |                             |
|   | Use suitable respiratory protection (we recommend the use of a fresh air supply respirator).  |  |                             |
|   | <b>Precautions:</b> During application all health and safety measures referring to the use and handling of coating materials are to be observed, e. g. existing regulations issued by the trade associations in the Chemical Industry. For Health and Safety information please refer the Material Safety Datasheet (MSDS). |  |                             |
| <b>Note:</b> The products listed are intended only for the professional user and for professional use. All recommendations in words and writing given on the use of our products to customers or users are not binding and do not give reasons for secondary obligations resulting from the bill of sale. Every care is taken to ensure that the technical information provided is accurate and up to date according to the present state of knowledge in science and our experience. These recommendations do not, however, exempt the customer from autonomously checking whether our products are suitable for the intend purpose. The durability of the coating system largely depends on the thorough preparation of the surface. Furthermore our universal terms of delivery and payment are applicable. |   |  |                             |
| With the publication of this Technical Data Sheet all previous versions regarding this product are no longer valid.  |   |  |                             |