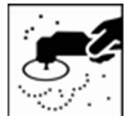


**VPS-200 Grey Surfacer**

Valorem VPS-200 Grey Surfacer is a 2K polyurethane primer surfacer that provides good adhesion, high build, easy coverage, and optimal topcoat appearance.

**SAFETY CONSIDERATIONS**

- Use suitable personal protection.

**SURFACE ABRADING**

- Existing Finishes – P220 – P320 sandpaper dry
- Polyester bodyfiller – P180 – P220 sandpaper dry
- Bare Steel – Final sanded with P120 sandpaper dry

**SURFACE CLEANING**

- Use suitable surface cleaners and technique to ensure a clean surface.

**MIXING STICK**

Mix	Standard Mix
4	Parts VPS-200 Grey Surfacer
1	Parts VH-201 Grey Surfacer Hardener

BY VOLUME

**EQUIPMENT****Spray-Gun Set-Up:**

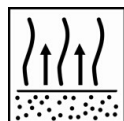
- HVLP Gravity 1.7 – 2.2 mm
- Compliant Gravity 1.5 – 2.0 mm

**Application Air Pressure:**

- HVLP – 10 psi (<0.7 bar) at the air cap, maximum.
- Consult spray gun manufacturer specifications.

**APPLICATION**

- 2-3 single flowing coats.

**FLASH OFF****Flash at 70°F (21°C) Between Coats**

- 5 minutes

**Flash at 70°F (21°C) before Force Drying**

- 5 minutes

**DRYING****Dry to Sand Time at 70°F (21°C)**

- 1 hour

**Dry to Sand Time at 140°F (60°C)**

- 20 minutes

**RECOATING**

- When cured, sand following the TDS recommendation for the topcoat being applied.
- After sanding, VPS-200 Grey Surfacer may be coated with any Valorem sealer, topcoat, or basecoat system.

Read the complete TDS and the product Safety Data Sheet (SDS) for detailed product information

**VPS-200 Grey Surfacer****DESCRIPTION**

Valorem VPS-200 Grey Surfacer is a 2K polyurethane primer surfacer that provides good adhesion, high build, easy coverage, and optimal topcoat appearance.

**PRODUCT ASSORTMENT**

- Valorem VPS-200 Grey Surfacer – Item # 594510 (gallon)
  - Valorem VH-201 Grey Surfacer Hardener – Item # 594520 (quart)
  - Valorem VX-600 Flex Additive – Item # 595119 (quart)
- Stock unopened or used products in approved closed containers with proper labeling. Store in moderate temperatures. Optimum storage temperature is approximately 70°F (21°C). Avoid too much temperature fluctuation. The maximum temperature range for storage is 40°F - 95°F (5°C – 35°C).
  - Shelf life: VPS-200 – 2 years, VH-201 – 1 year.
    - Refer to the price list for the most up-to-date shelf life information.

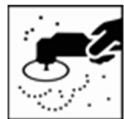
**BASIC RAW MATERIALS****Product**

- VPS-200 Grey Surfacer – Acrylic urethane resins
- VH-201 Grey Surfacer Hardener – Polyisocyanate resins and solvents
- VX-600 Flex Additive – Special polyester resins

**SUBSTRATE PREPARATION****Pre-Cleaning**

- The surface must be dry and free from grease, oil and other foreign matter contaminants.

Use suitable surface cleaners and technique to ensure a clean, contaminant-free surface.

**Surface Abrading**

- Existing finishes – P220 – P320 sandpaper dry
- Polyester bodyfiller – P180 – P220 sandpaper dry
- Bare Steel\* – Final sanded with P120 sandpaper dry
- Galvanized Steel\* – P180 sandpaper dry or red pad
- Fiberglass Gel Coat (unbroken) – P220 – P320 sandpaper dry

\*For optimum performance and protection, use Pre-Treatment Cut Thru wipes on bare metal.

**Final-Cleaning**

- The surface must be dry and free from grease, oil and other foreign matter contaminants.

**VPS-200 Grey Surfacer**

BY VOLUME

**MIXING**

<b>Mix</b>	<b>Standard Mix</b>
4	Parts VPS-200 Grey Surfacer
1	Parts VH-201 Grey Surfacer Hardener



BY VOLUME

**MIXING - FLEXED**

<b>Mix</b>	<b>Make a Mixture of</b>
100	Parts VPS-200 Grey Surfacer
15	Parts VX-600 Flex Additive

**Stir this mixture thoroughly, THEN -**

4	Parts VPS-200 Grey Surfacer / Flex Agent mixture (previous step)
1	Parts VH-201 Grey Surfacer Hardener

- ✓ Raw polyolefin type plastics require VPP-50 Plastic Primer before application of VPS-200 Grey Surfacer.

**POT-LIFE WHEN MIXED**

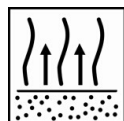
<b>Product Mix</b>	<b>At 70°F (21°C)</b>
• VPS-200 Grey Surfacer	– 1 hour

**SPRAY GUN SET-UP**

<b>HVLP or Compliant Spray-Gun Set-Up</b>	<b>Application Air Pressure</b>
• HVLP Gravity – 1.7 – 2.2 mm	– HVLP – 10 psi (<0.7 bar) at cap, maximum.
• Compliant Gravity – 1.5 – 2.0 mm	– Consult manufacturer specifications.

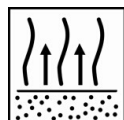
**APPLICATION**

- Apply 2 – 3 single flowing coats

**FLASH DRYING**

<b>Flash Between Coats at 70°F (21°C)</b>	<b>Flash at 70°F (21°C) Before Force Drying</b>
• 5minutes	• 5 minutes

- ✓ Flash time is dependent on temperature and application.

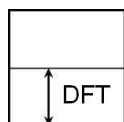
**DRY TO SAND TIME**

<b>At 70°F (21°C)</b>	<b>At 140°F (60°C)</b>
• 1 hour	– 20 minutes

- ✓ Times stated are based on following the recommended application method, film thickness and object temperature.
- ✓ Using flexed mixture will extend curing times.

**VPS-200 Grey Surfacer****RECOATING**

- When cured, sand following the TDS recommendation for the topcoat being applied.
- After sanding, VPS-200 Grey Surfacer may be coated with any Valorem undercoat, topcoat, or basecoat system.

**FILM THICKNESS**

- 1 coat will achieve a dry film thickness of 1.2 – 1.4 mils (30.5 – 35.6  $\mu\text{m}$ )
- Total applied dry film build: 1.2 – 4.0 mils (30.5 – 101.6  $\mu\text{m}$ )

**VOC / REGULATORY INFORMATION**

Notice: Do not handle until the Safety Data Sheets have been read and understood. Regulations require that all employees be trained on Safety Data Sheets for all chemicals with which they come in contact. The manufacturer recommends the use of an air-supplied respirator when exposed to vapors or spray mist.

**VPS-200 Grey Surfacer ready to spray VOC:**

- $\leq 4.6$  lb/gal ( $\leq 552$  g/L)

**AkzoNobel Inc., North America**  
**Address: 1845 Maxwell Street – Troy, MI USA**  
**Tel: 800.618.1010**

**FOR PROFESSIONAL USE WITH SUITABLE HSE EQUIPMENT**

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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