North America

Programmed System Technique (PST)
Others
02/05/2021

OTO Bodycoat

OTO Bodycoat is a waterborne coating designed to resist chipping of paint systems under impact of stones or gravel on lower body panels. OTO Bodycoat can be applied to match the texture of many OEM gravel guard coatings and is black in color although it can be painted to match the vehicle color. OTO Bodycoat is chrome-free and low in VOC allowing it to be used in all markets including regulated areas.



Safety Considerations
- Use suitable personal protection.
- When exposed to paint or solvents AkzoNobel recommends the use of a fresh air supply respirator.



Surface Preparation
- Existing OEM Finishes
  - Sanded P220 to P320 dry and cleaned.
- Sikkens Primer Surfacers
  - Sanded P220 dry and cleaned.



Mix	By Volume
100	Parts OTO Bodycoat
0-5	Parts Water (up to 5% maximum to adjust for application and texture)

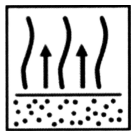


Spray-Gun Set-Up
- Use a Body-Schutz spray gun which is screwed on the OTO Bodycoat container.

Application Air Pressure
- 30-50 psi (2-3.5 bar).
  - Regulate pressure to adjust texture.



Application
- 1 – 3 x 1 Coats (1 to 3 single wet coats).
  - The number of coats depends on the texture required.
  - Normally one single flowing coat is sufficient to match the OEM finish.



Flash Between Coats at 70°F (21°C)
- 10-20 minutes.

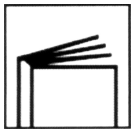
Dependent of film weight and air flow.

Flash Before Force Drying at 70°F (21°C)
- 10 minutes.



Air Drying at 70°F (21°C)
- Dry to recoat in 60 minutes.
- Dry to handle in 3 hours.
  Dependent on film weight and air flow.

Force Drying at 140°F (60°C)
- Dry to recoat in 30 minutes.
- Dry to handle in 30 minutes.



Recoatable With
- Sikkens primer sealers
- Autobase Plus basecoat

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

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Description

OTO Bodycoat is a water-borne coating designed to resist chipping of paint systems under impact of stones or gravel on lower body panels. OTO Bodycoat can be applied to match the texture of many OEM gravel guard coatings and is black in color although it can be painted to match the vehicle color. OTO Bodycoat is chrome-free and low in VOC allowing it to be used in all markets including regulated areas.

Suitable Substrates



- Existing OEM Finishes – Sanded P220 to P320 dry and cleaned.
- Sikkens Primer Surfacers – Sanded P220 dry and cleaned.
  - OTO Bodycoat cannot be applied over any wet-on-wet primer or sealer.

Products



- OTO Bodycoat – Item #398867
- OTO Bodycoat Schutz Gun – Item #226527
  - SDS and TDS for products available online at – http://my.anaac.net/

Basic Raw Materials



- OTO Bodycoat – Styrene butadiene acrylic resin, dispersed in water.

Substrate Preparation



Pre-Cleaning

- If needed pre-wash the repair with warm soap and water. Rinse completely with clean water.
- Clean with M600 Surface Cleaner, AutoPrep Ultra-Prep (VOC compliant) or Anti-Static surface cleaners.



Sanding Preparation	Sanding	Additional Preparation
Existing Finishes	#P220 to #P320 Dry #P320 to #P400 Wet	
Sikkens Primer Surfacers	#P220 Dry #P320 Wet	



Surface Cleaning – Prior to OTO Bodycoat Application

- Clean with M600 Surface Cleaner, Autoprep UltraPrep (VOC compliant) or Antistatic surface cleaners.

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Product Agitation



- Because OTO Bodycoat is a high solids paint it needs to be agitated before use.
- Shake vigorously before each use.

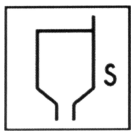
Mixing



Mix	By Volume
100	Parts OTO Bodycoat
0-5	Parts Water (up to 5% maximum to adjust for application and texture)

- OTO Bodycoat must be at a temperature of 65°F - 80°F (18 - 25°C) when used.

Viscosity – Ready to Spray



N/A

- OTO Bodycoat viscosity cannot be measured by conventional means.

Pot-Life When Mixed



Product Mix	70°F (21°C)
• OTO Bodycoat	– 12 Months

Spray Gun Set-Up



- Use a Body-Schutz spray gun which is screwed on the OTO Bodycoat container.
  - 30-50 psi (2-3.5 bar).
    - Regulate pressure to adjust texture.

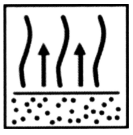
Application



Application

- 1 – 3 x 1 Coats (1 to 3 single wet coats).
  - The number of coats depends on the texture required.
  - Normally one single flowing coat is sufficient to match the OEM finish.
  - If the OTO Bodycoat is going to be left un-painted, it may take 1-2 additional coats to achieve the required minimum thickness.

Flash Drying



Flash Between Coats at 70°F (21°C)

- 10-20 minutes.

Flash Before Force Drying at 70°F (21°C)

- 10 minutes.

- Flash time will be dependent on ambient temperature, applied paint wetness/thickness and available air-flow.

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Film Thickness – Using Suitable Application



- 1 Coat will achieve a thickness of 3.0 mils (73.5µm) dry.
- OTO Bodycoat can be left without topcoat provided a minimum of 6 mils (147µm) dry has been applied.

Drying / Curing Time

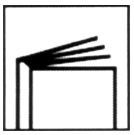


Air Drying at 70°F (21°C)
- Dry to recoat in 60 minutes.
- Dry to handle in 3 hours.

Force Drying at 140°F (60°C)
- Dry to recoat in 30 minutes.
- Dry to handle in 30 minutes.

- Drying times are stated a recommended application method, film thickness and object temperature.
- Maximum recoat time is 48 hours. After 48 hours OTO Bodycoat must be abraded with a red scuff pad before top coating.

Recoating



- OTO Bodycoat can be left without topcoat provided a minimum of 2 coats has been applied. In this case, allow 3 hours drying time before exposing to direct weather.
- After the stated dry time OTO Bodycoat may be recoated with the following materials.
- Sikkens Primer Sealers
- Autobase Plus

- Autowave may not be applied directly to OTO Bodycoat. If Autowave is used, it must be preceded by an application of a Sikkens primer sealer.

Cleaning of Equipment



- Normal tap water can be used. A small amount of household detergent will facilitate quicker and more complete cleaning.
- Finish cleaning using Sikkens Gun Cleaning Solvent or high quality lacquer thinner.

Theoretical Coverage



- With the recommended application the theoretical material usage is ±660 feet^2/gallon (16.3m^2/liter) at a 1 mil thickness (24.5µm).
- Actual coverage is dependent on many factors. These may include; the shape of the object, surface smoothness, application technique and other application and environmental variables.

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VOC / Regulatory Information



Product	VOC Pounds per Gallon	VOC Grams per Liter
• OTO Bodycoat	– 0.41	– 49
• OTO Bodycoat +5% water	– 0.41	– 49

- 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.

Product Storage



- Do not allow to freeze.
- Store unopened, or products in use with approved closed containers and proper labeling. Store in moderate temperatures between 40°F - 95°F (5°C – 35°C). Avoid too much temperature fluctuation. Optimum storage temperature is approximately 70°F (21°C).



- OTO Bodycoat 1 Year

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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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