

Technical Data Sheet

Autoshield GP Primer

Glass & Body Primer UV Blockout for auto glass.


Adheseal
The Adhesive and Sealant Specialists

Description:

Adheseal GB Primer is a solvent-based black primer which reacts with moisture and forms a thin layer. This layer acts as a link between substrates and adhesives. Adheseal GB Primer is specifically formulated for the treatment of bond faces prior to application of Adheseal's Autoshield 1-FC single component Polyurethane. This primer might provide excellent adhesion without previous activation step on many substrates. Adheseal GB Primer fluoresces under long-wave UV light for a limited period of time. This feature is used for in-process control.

PRODUCT BENEFITS

- Enhanced adhesion on a wide variety of substrates
- Visible under UV light
- Easy to use

AREAS OF APPLICATION

Adheseal GB is used to improve adhesion on a very broad range of different substrates such as float glass, ceramic-coated glass, plastics, pre-coatings, painted surfaces, Ecoats and metals. Seek manufacturer's advice and perform tests on original substrates before using Adheseal GB Primer on materials prone to stress cracking. This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

METHOD OF APPLICATION

Surfaces must be clean, dry and free from grease, oil, dust and contaminants. Adhesion on substrates may be improved by adding and/or combining pre-treatment processes such as scuffing, cleaning and activating.

Application

Shake the Adheseal GB Primer can very thoroughly until mixing ball rattles freely. Continue shaking for another minute and apply a thin but covering coat with a brush, felt or foam applicator.

Ideal application and surface temperature are between 15 °C and 25 °C. Adheseal GB Primer has to be applied once only. Care must be taken to ensure that this single application gives adequately dense coverage. Consumption and method of application depend on the specific nature of the substrates. Tightly reseal container immediately after each use.

IMPORTANT NOTE

If Adheseal GB Primer is used below 5 °C further testing under expected conditions is mandatory. Adheseal GB Primer is a moisture reactive system. In order to maintain product quality it is important to reseal the container with the inner plastic liner immediately after use. Once the surface pre-treatment operation is completed, the cap has to be screwed on. Dispose of product one month after opening if used frequently or after two months in case of infrequent use. For 100 ml pack sizes dispose it of two weeks after opening. Stix and tubes are for single application only. If gelling, separation or a significant increase in viscosity is noted, discard the primer immediately. Never dilute or mix this product with any other substances. If used on transparent or translucent substrates such as float glass, plastics, etc., an adequate UV protection is mandatory.

DETECTION OF THE LUMINESCENCE

Adheseal GB Primer can be visualized by using a light source with a wavelength of 320 to 420 nm as inline control. By reducing foreign light such as sunlight or artificial light during the detecting process the quality of the detection can be increased significantly. Note: The luminescent effect will degrade with time.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Adheseal Industry. Working instructions issued for a defined application may further specify technical data contained in this Product Data Sheet. Copies of the Safety Data Sheets are available on request.

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| Chemical Base | Solvent Based Polyurethane solution |
| Colour (CQP001-1) | Black |
| Solid content | 27 % |
| Application temperature | 5 – 40 °C |
| Application method | Brush, felt or foam applicator |
| Coverage depending on substrate porosity | 50 ml/m2 |
| Flash-off time | Above 5 °C 10 minutes maximum A 24 hours flash-off time may vary depending on temperature |
| Shelf life | 18 months stored in sealed container in up-right position in a dry place ≤ 25 °C |
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Safety

This product is not classified as hazardous according to Work safe Australia however skin irritation and sensitisation may occur in sensitive individuals. Please consult S.D.S. for this product for further information.

Guarantee / Warranty

We warrant our products to be free of defects and manufactured to rigid quality control specification. As it is impossible to control the use and application of the products, the company's liability is limited to replacing such quantities of product as are proven to be defective. The company disclaims any claims for repainting or other labour resulting from the use of the product. No responsibility is assumed for consequential damages arising from the use of the product. All other warranties including (merchantability or fitness for a particular purpose) are excluded. No representative of the company is authorised to grant any warranty or waive this limitation of liability. All claims concerning product defects must be made within twelve months of shipment. Absence of such claim in writing during this period will constitute a waiver of all such claims with respect to such product.

Adequate Tests

The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendation and suggestion contained herein are made without guarantee or representation as to the results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your requirements.