



TIGERSEAL ADHESIVE SEALANT - BLACK

UP0727

Version: 2.0 Date of issue: 30/11/2018 Revision date: 12/03/2021 Supersedes: 30/11/2018



DRIVING SURFACE PERFECTION

TECHNICAL DATASHEET

TIGERSEAL is a one component polyurethane sealant and adhesive that is ideal for a number of automotive applications. It will permanently seal and bond to body panels and trim, as well as seal around windows, doors, lights and many more. It will stick to most materials such as steel, aluminium, glass and most plastics.



- Ready for use 1K formula.
- Completely and permanently seals and bonds body panels, trim and seams.
- Use to seal around windows, doors and lights and more.
- Use a standard caulking gun with the cartridge.
- Moisture-cured formula can be tooled and overcoated immediately.
- Resistant to temperatures from -40°F to +190°F (up to +250°F for short intervals).

Product	Order Code	Format	Shelf Life
TIGERSEAL ADHESIVE SEALANT - BLACK	UP0727	310ml Cartridge	1 year

APPLICATION INFORMATION



FOR PPE RECOMMENDATIONS REFER TO SDS

IMPORTANT: FOR PROFESSIONAL USE ONLY. Read full instructions before use.

This product contains hazardous materials and therefore appropriate personal protective equipment should always be used. Please refer to the label and consult the safety data sheet for full handling instructions and personal protection information. Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material.

Surface Preparation



Substrate

Bare Steel
 Aluminum
 Brass
 Original Paint
 Fiberglass / GRP
 Most Plastics
 Glass
 wood
 Ceramic

Degreaser

SYSTEM 20 Solvent-Based Degreaser
 SYSTEM 20 Solvent-Based Degreaser
 SYSTEM 20 Solvent-Based Degreaser
 SYSTEM 20 Solvent-Based Degreaser
 SYSTEM 20 Water-Based Degreaser
 SYSTEM 20 Water-Based Degreaser
 SYSTEM 20 Solvent-Based Degreaser
 Not required
 SYSTEM 20 Solvent-Based Degreaser

Abrasion

Not required
 Not required
 Not required
 Not required
 Not required
 Not required
 Not required
 Not required

For best results, good preparation is essential. Clean and degrease removing dirt, oil, grease and wax with cleaning solutions such as U-POL's SYSTEM 20 Degreasers (please check local VOC regulations). Ensure all loose debris is removed before application. PLEASE NOTE: this product is not approved to install windshields.

Application



Application Temperature 60 – 95 °F
Work Time at 70°F 20 minutes

Tool with water only.

Apply with a standard cartridge caulking gun or pneumatic version at approximately 108 PSI (6 bar).

The materials to be bonded should be pressed firmly or mechanically fixed together within the skin formation time.

Some applications may need to be fixed mechanically until complete cure is obtained.

Drying Time



PLEASE NOTE: drying times are dependent upon humidity and temperature. The drying times suggested are based on 50% humidity.

Skin Formation at 70°F 30 – 60 minutes

Through-Cure at 70°F 3 mm per 24 hours

Overcoating



This formulation can be directly overcoated immediately after application with most water/solvent-based paint systems. The drying time for synthetic paints may be extended.

This formulation does not contain biocides or have UV protection. If used in areas with prolonged exposure to sunlight or high moisture, it is recommended to overcoat with a suitable paint system.

Additional information



Important Remarks

Once opened, exposure to air will initiate curing of the remaining adhesive in the cartridge. Ensure the full cartridge is used within 3 days. Once opened, securely apply aluminium foil to both the tip and base of the cartridge to maximize the longevity of the adhesive. Uncured adhesive can be removed with a panel wipe. Cured adhesive can only be removed mechanically.

TECHNICAL INFORMATION

Physical properties



Appearance
Color
Density

Paste.
 Black
 1.23 g/cm³



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VOC Information



As Packaged Regulatory VOC	97.6 g/l (0.81 lb/gal)
As Packaged Actual VOC	97.6 g/l (0.81 lb/gal)
As Applied Regulatory VOC	97.6 g/l (0.81 lb/gal)
As Applied Actual VOC	97.6 g/l (0.81 lb/gal)
Volatiles	8 wt%

Storage



Store locked up. Store in a well-ventilated place. Keep cool.

Storage Temperature (°F) < 77 °F

Associated Products



Product	Order Code	Format
SYSTEM 20 Water-Based Degreaser	UP2002	5L Canister
SYSTEM 20 Solvent-Based Fast Degreaser	UP2012	5L Tin
SYSTEM 20 Solvent-Based Slow Degreaser	UP2022	5L Tin
WIPE #6 Solvent-Based Degreaser Aerosol	UP0872	450ml Aerosol

U-POL disclaims any liability where the user does not wear the recommended personal protective equipment. The above data is for information only and may change without prior notice. It is the Buyers responsibility to ensure the suitability of the products for their own use and check the information is up to date. The recommendation of use of our products and application in our technical data sheets are based on our knowledge and experience. These data sheets are available via your local stockist or via the U-POL website at WWW.U-POL.COM. U-POL is not responsible for the results obtained by others over whose methods we have no control and thereof U-POL is not liable for consequential or incidental damages including loss of profits. U-POL is not liable for mis-use or abuse of its products and no application warranty is expressed or implied.

For additional technical assistance, please contact the U-POL Technical Department at technicalsupport@u-pol.com

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