



TIGERSEAL PU ADHESIVE & SEALANT - BLACK

TIG/NB

Version: 3.0

Date of issue: 27/02/2018 Revision date: 21/09/2021 Supersedes: 12/03/2021



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 stick 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°C to +90°C (up to +120°C for short intervals).

Product	Order Code	Format	Shelf Life
TIGERSEAL PU ADHESIVE & SEALANT - BLACK	TIG/NB	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
Aluminium
Brass
Original Paint
Fibreglass / 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
Not required

For best results, good preparation is essential.

Clean and degrease removing dirt, oil, grease and wax using cleaning solutions such as U-POL's SYSTEM 20 Degreasers. Ensure all loose debris is removed before application.

Application



Application Temperature

15 – 35 °C

Work Time at 20°C

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 20°C

30 – 60 minutes

Through-Cure at 20°C

3 mm per 24 hours

Overpainting



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

Paste.

Colour

Black

Density

1.23 g/cm³



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VOC Information



The VOC content of this product as received is 97.6 g/l. The VOC content of this product in ready to use form is < 93.9 g/l.



Storage

Store in a well-ventilated place. Keep cool. Store in a closed container, Keep only in original container, dry.

Recommended storage temperature

Associated Products



Product

SYSTEM 20 Water-Based Degreaser
 SYSTEM 20 Solvent-Based Fast Degreaser
 SYSTEM 20 Solvent-Based Slow Degreaser
 SYSTEM 20 Solvent-Based Slow Degreaser
 WIPE #6 Solvent-Based Degreaser Aerosol
 MAXIMUM Professional Lint-Free Solvent Wipes
 MAXIMUM Tack Cloths
 MAXIMUM Tack Cloths
 MAXIMUM Premium Masks
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls

Order Code

S2000/5
 S2001/5
 S2002/1
 S2002/5
 WIPE/AL
 MWPP/350
 TRAG/10
 TRAG/50
 RESPV
 COVER/M
 COVER/L
 COVER/XL
 COVER/XXL
 COVER/XXXL

Format

5L Canister
 5L Tin
 1L Tin
 5L Tin
 450ml Aerosol
 100-pack
 10-pack
 50-pack
 1-pack
 1-pack
 1-pack
 1-pack
 1-pack

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.

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