

Technical Data Sheet

Autoshield NP60

Windscreen Adhesive (standard FMVSS 212)**1 Hour drive away with Dual Airbags**

Adheseal
The Adhesive and Sealant Specialists

DESCRIPTION

Autoshield NP60 is a fast, moisture curing one-component Primer-less polyurethane sealant/adhesive, forming a high modulus and flexible bond.

APPLICATIONS

Autoshield NP60 can be used for the windshield bonding, particularly suitable for bodies made in aluminium. **Autoshield NP60** can also be used for side glass bonding and where a high green strength rapid curing adhesive is required.

INSTRUCTIONS FOR USE**PLAIN GLASS: (no ceramic band)**

Clean with **Autoshield Activator** according to the wipe on/wipe off method with a clean, dry and lint-free cloth (wipe off as soon as the solvent is evaporated, i.e. 30 to 60 seconds after application).

As the Activator is very sensitive to humidity, the bottle must be closed immediately after use. If it is cloudy, do not use it.

Then apply a thin uniform film of **Autoshield GB Primer** with an applicator pad in order to form a homogeneous film. Shake bottle before application. Close the bottle immediately after use. Let dry between 15 and 60 minutes before application of the sealant according to the temperature.

CERAMIC BAND :

Check light transmission of the ceramic band. Before using a glass cleaner to clean the surfaces from impurities.

Abrade the ceramic band slightly to remove silicone residues which could adversely affect the adhesion of the sealant. This superficial action will not modify the UV protection of the ceramic band. Recommended process: carry out 5 back and forth movements with Scotch Brite pad (Very Fine - Red) on the area to be bonded.

Clean the surface in a single pass with a lint free cloth dampened with acetone. Repeat this process if necessary until the area is clean.

Do not touch the prepared area after this process.

IMPORTANT:

Never clean the old sealant with a solution containing alcohol.

Bonding :

NOTE: If using **GB primer**, Make sure primer is fully dry (minimum 15 minutes, maximum 1 hour)

Apply the **Autoshield NP60** in a triangle shape to the prepared area and push glass into the vehicle before **Autoshield NP60** skins. If applied in cold weather, store the packaging at 20 °C before use.

The windshield must be applied and pressed before the end of the tack free window.

WARNING:

Do not apply in the presence of cured or non-cured silicones or hybrid sealants (MS, SPUR or STPE). Do not apply at temperatures lower than 5 °C. Note : all times described in the above instructions are valuable for a minimum temperature of 15 °C. In case of lower temperatures (between 5 and 15 °C), drying times must be twice as long.

Cleaning :

Uncured sealant can be cleaned up with Cleaner T or acetone.

After curing, remove by mechanical means.

Type of product	Polyurethane
Curing system	Moisture
Density (specific gravity)	1.35 +/- 0.05
Sagging (ISO 7390)	None
Application Temp.	5°C to 35°C
Skin forming 23°C @ 50% HR	20-35 min approx.
Cure time 23°C @ 50% HR	3mm / 24 hr
Shore A hardness	>50
Shear resistance @ 5hr 23oC @ 50% HR (FORD SAE J 1529)	>3 MPa (130 psi)
Shear resistance @ 7 day 23oC @ 50% HR (FORD SAE J 1529)	>3.5 MPa (500psi)
Water and salt spray resistance	Excellent
Temp Resistance	-40°C to 90°C
Colour	Black
Specific Test Data	Modulus at break (ISO 37): approx. 6 MPa Elongation at break (ISO 37): > 700 % Tear strength (ISO 34): approx. 20 N/mm Passes crash test with dual security air-bags after 1 hour at 23°C and 50% RH according to FMVSS 212 standard

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 M.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.