

ONEBOND MS RAPID 60

Description

Onebond MS Rapid 60 is a high decking, fast curing, primerless to glass flexible and high performance SiMP – Silyl Modified Polymer adhesive for vehicle glass direct glazing. It is specifically designed to give a fast and safe drive-away time on vehicles fitted with airbags in 1 hour.

Technical Data

Appearance	Non-sag thixotropic paste
Colour:	Black.
Chemical nature:	SiMP Silyl-Modified Polymer
Curing Mechanism:	Moisture-curing
Curing through volume [mm] (24h - 23°C and 50% RH):	ca. 3.0
Hardness Shore A:	ca. 62
Density	ca. 1.44
Skin Time (min) (23°C and 50% RH):	ca. 15
Tensile strength [N/mm²]	ca. 3.0
Tear strength [N/mm²]	ca. 7.4
Elastic modulus at 100% [N/mm²]	ca. 2.5
Elongation at break [%]	ca. 230
Application temperature (°C)	From +5 to +40
Temperature Resistance [°C]	From -40 to +100, with brief points up to +140

Application

The surfaces to be treated should be perfectly clean, dry and free from dust and grease. It is necessary to treat the bonding surface according to Onebond application guidelines, eventually using a specific CLEANER. Onebond MS Rapid 60 is primerless to glass, metals and plastics. It is advisable to carry out preliminary adhesion tests on the support.

Do not cure in the presence of curing silicone sealants. Avoid contact with alcohol and other solvent cleaners during cure. When applying sealant, avoid air-entrapment. Since system is moisture-cured, permit sufficient exposure to air. Bonded elements may require additional holding or support during curing period. Tooling and finishing must be carried out within the tack-free time of the sealant.

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Areas of Application

OneBond MS Rapid 60 is purposely designed for bonding windscreens in the Auto Glass Replacement aftermarket, side and rear windows to passenger cars, trucks, tractors and special vehicles. It is ideal for direct glazing on vehicles where high shear modulus and non-conductive properties are required. Also used for bonding fiberglass reinforced plastic elements (roofs, side and frontal panels) on vehicles. It can be used in all applications where a strong elastic-structural bonding to elements of different compositions (automotive topcoat paint, metal sheets, fiberglass and reinforced plastic) is necessary and that undergo a strong mechanical or thermal stress.

Features

- SiMP Silyl-Modified Polymer
- Solvent and isocyanate free, odorless
- Primerless adhesion to glass, metals and plastics
- Fast application and curing
- Outstanding thixotropy, short cut-off string, non-sagging and high decking
- Suitable for cold application
- High viscosity and green strength: instant grab and load bearing capacity
- Capable of withstanding high dynamic stresses
- Suitable for use with integral aerials
- Prevents contact corrosion in aluminium-body vehicles
- No hazard symbol required

Drive Away Time (DAT)

TÜV Crash Tested

- Drive Away Time: 1 hour
- On vehicles fitted with both driver and passenger airbags

OneBond MS Rapid 60 meets Federal Motor Vehicle Safety Standard 212 and all long-term durability requirements according to laboratory tests and Crash Test Data.

Cleaning of Equipment and Personal Protective Measures

ONEBOND MS RAPID 60

Clean the tools used with acetone or solvent. When the adhesive has not yet hardened, it can be removed using paper or a cloth. Once hardened, the product can only be removed mechanically. Avoid skin contact by using latex, rubber or polyethylene gloves. If it comes in contact with the skin, remove immediately and wash with soap and water.

Packaging

PE cartridge 290ml – 12 pieces per box

Storage

Onebond MS Rapid 60 can be stored for 12 months in its original packaging (unopened container) between 10°C and 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

Safety Considerations

Safety Data Sheets (SDS) are available from OneBond. SDS include information regarding the physical, health, and environmental health hazards, safety precautions, for products handling, storing and disposal. SDS are available in the language of the country or area of destination and may include locally applicable health and safety regulations. SDS are updated regularly and can be downloaded from www.onebondadhesives.com. OneBond encourages users to review the up-to-date SDS before handling or using any product.

Customer Notice

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