

Three Bond 1530 Multi-Purpose Elastic Adhesives

Product Outline

TB 1530 are multi-purpose, high strength elastic adhesives based on an MS polymer which reacts rapidly upon exposure to moisture in the air and cures to form a toughened elastomer with time. Containing no solvents, plasticizers, or isocyanates, the adhesives have excellent non-staining characteristics against substrates and are over-paintable. They provide excellent weather resistance, high adhesion strength to most substrates without the need for pre-treatment, and are user friendly due to their low odour.

Features

Materials which can be bonded:

- Natural and synthetic rubbers (CR, SBR, EPDM, NBR, etc.)
- (Note: The product is not suitable for bonding Polyethylene, Polyacetal and Fluororesin.)
- Metals (Steel, Aluminium, Duraluminium, Brass, etc.)
- Plastics (Polyvinylchloride, Polymethacrylic, Phenolic resin, Polystyrene, Ebonite, etc.)
- Non-metals (Wood, fabrics, leather, ceramics, paper, concrete, mortar, etc.)

Typical Properties

Properties	1530	1530B	1530C
Appearance	White flowing paste	Black non-slump paste	Clear flowing paste
Viscosity	100 Pa.s	110 Pa.s	100 Pa.s
Specific gravity	1.39	1.31	1.31
Tack free time	7 minutes	7 minutes	7 minutes
Elongation	280%	380%	200%
Hardness	44A	48A	55A
Tensile shear strength Al	5.9 MPa	4.4 MPa	4.3 Mpa
Peel strength Al	2.5 kN/m	2.8 kN/m	2.5 kN/m
Temperature range	-40°C to +120°C	-40°C to +120°C	-40°C to +120°C
Packaging	150g tube 330ml cartridge	330ml cartridge	150g tube 330ml cartridge

Directions for Use

- Surfaces must be clean, dry and free from oil or greasy deposits.
- For general bonding: Apply a thin even coat to one surface by brush, knife, or other spreading method. Join immediately after application and fix parts for 5 minutes. Parts can be handled after 20 minutes and fully cured within 24 hours.
- For instant grab: Coat both surfaces thinly and leave open for 5~7 minutes. Join the parts with firm pressure.
- Store in a cool, dark place in its original container tightly sealed to maintain shelf life.
- Hardening of the adhesive varies depending upon the thickness of the layer, the ambient temperature and relative humidity.

Handling precautions

- TB1530 has been proven to be safe to handle as long as normal hygienic practices are observed.
- Refer to the product MSDS for further details.

Storage

- Shelf life 12 months. Keep the container tightly sealed and store in a dry cool place avoiding direct sunlight.