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TECHNICAL DATA SHEET

Mega Copper

ThistleBond 'Mega Copper' is a high performance high temperature silicone gasket maker designed for use as a sealant for almost any surface including metals, masonry, glass, ceramic, wood, plastics etc.

ThistleBond 'Mega Copper' is based on a unique blend of siloxane and alkyl resins to produce a system with high temperature tolerance together with a high order of adhesion and flexibility, that is non-corrosive to steel, iron or aluminium.

ThistleBond 'Mega Copper' is simple, safe and easy to use and resists temperatures up to 370°C and is therefore ideal for bonding gaskets in heating and refrigeration units, tacking metal to plastic, sealing windows in oven doors and flues on gas appliances, flanged pipe joints, oil pans, differential housing valve covers, exhaust manifold gaskets, camshaft covers or intake manifold seals.

ThistleBond 'Mega Copper' is not recommended for use on parts in constant contact with gasoline or on cylinder head gaskets.

Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.

SURFACE PREPARATION

ThistleBond 'Mega Copper' works best on clean surfaces.

Remove all heavy deposits of grease, oil, dirt or other contaminants by either solvent wiping, cleaning with industrial degreasers or by using hot aqueous baths.

MIXING

ThistleBond 'Mega Copper' is supplied ready for use and requires no mixing, however shaking the product to incorporate any slight separation is advised before use.

APPLICATION

Apply the **ThistleBond 'Mega Copper'** directly to the clean surface as a thin even bead to one surface. Wait until the **ThistleBond 'Mega Copper'** skins (approx 10 minutes) before assembling.

Clean away excess material with a knife.

PHYSICAL CONSTANTS

Mixing Ratio Supplied ready for use.

Appearance Silver Grey Paste

Drying & Cure Times at 20°C/68°F

Tack free time	15-20 minutes
Through cure	3 mm (1/8") per 24 hours

Volume Solids 100%

V.O.C. Nil

Shelf Life Use within 12 months of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F)

PHYSICAL PROPERTIES

Shore A Hardness 25
ASTM2240

Tensile Strength 18 kg/cm² (250 psi)
ASTM D412

Elongation 300%
ASTM D412

Movement Capability 25%

Peel Strength 1.5kg/cm² (20 psi)
TT-S-001543A

HEALTH AND SAFETY

As long as normal good practice is observed **ThistleBond 'Mega Copper'** can be safely used.

Safety glasses should be worn if splashing is likely.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

PACKAGING

Supplied in 310ml units.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.

FOR FURTHER INFORMATION PLEASE CONTACT



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