"Two-Component Polysulphide Sealant for Insulating Glass."

APPLICATION FIELD

Thiover is a polysulphide sealant especially formulated for insulating glass. Thiover is produced in different viscosities in order to suit the individual requirements of the operator and of the equipment in use. Thiover is totally solvent- free and can be used either for the production of dual seal insulating glass units.

TECHNICAL CHARACTERISTICS

COLOR	**Part A** (base): Ivory; **Part B** (catalyst): Black. Mixture (A+B): Anthracite.
MIXING RATIO	**Ratio by volume:** 100:10 (or 10:1) Ratio by weight: 100:9.2
POT LIFE	Standard 40 to 90 minutes. Pot life is influenced by room conditions.
HARDENING	2 to 4 hours depending on pot life.
TIME ADHESION	Excellent on glass, aluminum, stainless steel and galvanized steel. Peel strength 180° to glass with cohesive failure: 110/25 mm. Application surface must be clean, dry and free from oil residue.

PHYSICAL - CHEMICAL CHARACTERISTICS

VISCOSITY (25°C / 77°F)	Part A (base):		
	- Medium Viscosity (Auto):	63000 ± 3000 [cPs]	DIN 53019
	- Low Viscosity (Manual):	53000 ± 3000 [cPs]	DIN 53019
	Part B (catalyst):	30000 ± 2000 [cPs]	
DENSITY (20°C / 68°F)	Part A (base):	1.74 (g/cm^3) ± 0.05	DIN 53217
	Part B (catalyst):	1.60 (g/cm^3) ± 0.05	
FINAL HARDNESS	Min. 40 [Shore A]		EN 1279/6
MOISTURE VAPOR TRANSMISSION	8.0 [g/m^2.24hrs.2mm]		EN 1279/4
ARGON PERMEABILITY	5.80 + 0.63 x 10^{-3} (g/m^2 hrs)		EN 1279/4
ELONGATION TO FAILURE	Approx. 50 [%]		EN 1279/4
COHESIVE FAILURE	Approx. 0.9 [MPa]		EN 1279/4
COMPATIBILITY	Compatibility with all materials which might eventually come in direct and/or indirect contact with Thiover, shall be sent to FNA for compatibility testing. For details, please contact info@fenzi-na.com		
UV RESISTANCE	Level A		EN 15434
STORAGE	Use within 9 months from receipt date. It is recommended to store Thiover in dry and fresh rooms at a temperature between +10°C (50°F) and +30°C (86°F).		

PACKING

BASE	50.52 US Gal
CATALYST	5.052 US Gal
DRUM KITS	55.57 US Gal

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SURFACE PREPARATION

GLASS: To achieve good adhesion, the glass surface must be clean and free of any residue. Your glass supplier can verify proper cleaning specifications.

SPACER: To achieve good adhesion, the spacer surface must be clean and free of any residue.

MIXING INSTRUCTIONS

Correct proportions of base and catalyst are extremely important to achieve the results. Please review with a Fenzi Technical Representative to ensure ratio of pumping equipment to deliver base and catalyst at a ratio of 100:10 by volume and 100:9.2 by best at correct settings. Given the various dispensing systems available, the Thiover brand polysulphide should be metered weight.

TEMPERATURE INFLUENCE ON VISCOSITY

The viscosity of a fluid is the resistance of its particles to flow. In most liquids, the viscosity is influenced by various factors, amongst which temperature has a key role. Viscosity values on our TDS are given based on the standard temperatures at 25°C (77°F). While the viscosity changes due to temperature of the base material, the effect on the final mixture is negligible.

EQUIPMENT AND SERVICES

Fenzi North America will provide technical services. This includes assistance on dispensing equipment as well as literature for the Thiover brand polysulphide. MSDS forms are available through the Fenzi North America sales office.

LABORATORY SERVICES

The Fenzi laboratory can analyze a customer's extruded mixed material to establish the final mix ratio.

PRODUCTION PLANT CONTROL

Fenzi Thiover is not classified as dangerous.
Finished IG units should be glazed in accordance with industry recognized standards - such as IGMA, ASTM, CWDMA or WDMA, guidelines for the use of various tapes, setting blocks and sealants. Thiover made units typically are intended for use in both residential and commercial applications. Thiover brand polysulphide is found to be compatible with most glazing materials used in the market.

However, verification of the particular type of material to be used should be done through your Fenzi representative.

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