TECHNICAL DATASHEET
GTEC Fire Rated Silicone Sealant

Description
GTEC Fire Rated Silicone Sealant is a neutral cure, elastic silicone sealant and has a fire rating of up to 4 hours in certain joint configurations (when tested to BS476 Part 20 and BS EN1366-4). Conforms to ISO11600 class: F 25LM when tested to ISO 9047, ISO8339 and ISO10563.

Applications
- All building and glazing joints requiring a fire rating
- Joints between GTEC Weather Defence sheathing boards
- Fire rated expansion joints

Appearance
GTEC Fire Rated Silicone Sealant is a pink highly viscous paste with barely perceptible odour

Standard Format
600ml foil cartridge packed 12 cartridges to a box

Composition
A neutral cure, elastic silicone sealant

Compliance Authority
n/a for CE Marking

Physical Properties / System performances

Fire Resistance
Fire rated to BS476 Parts 20/22/DIN 4102 and EN1366 Part 4
Acoustic rated to BS EN ISO 140/3. Tested for air permeability to EN13141-1

Weathering characteristics:
Excellent weathering characteristics - suitable for internal and external use

Joint widths:
Maximum joints width: 30mm

Joint movement:
Permanently flexible, +/- 25% original size

Slump:
Nil in joints up to 30mm

Hardness:
25-30 (Shore A)

Specific gravity:
1.35g/cm3

Tack free time:
20 minutes

Cure rate:
1mm/24hrs at 50% relative humidity 23°C

Service temperature:
-40 to +140°C

Surface Preparation
All surfaces must be clean, dry and dust free. All loose or flaky surface coatings and old sealant and mastic joints should be removed before application

Application
Will adhere to most building surfaces; porous and non-porous. The surfaces to be sealed must be clean, dry and free from dust, grease and other contaminants. Priming is generally not required, although it is advised to test small areas prior to use. Fill large voids before application with a suitable fire rated material.

Cut the end of the foil cartridge and insert into barrel of GTEC Foil Mastic Gun. Cut nozzle at an angle of 45° with an opening slightly larger than the gap to be sealed. Insert nozzle to GTEC Foil Mastic Gun and screw cap on tightly. Best results will be obtained by keeping an even pressure on the trigger and keeping the gun at a constant angle to the surface being sealed. To ensure a proper bond, always smooth the sealant down with a spatula or piece of wood wetted with linseed oil or white spirits. For sealing joints between boards always apply sealant to one side of the joint and butt the boards together to form an airtight seal. Fill any visible gaps in joints with the sealant.

Limitations
Do not use on surfaces that bleed oils or plasticisers or in contact with bitumen or asphalt.
Do not attempt to sand down.
Finish smooth as per directions.
Not overpaintable.

(Cont'd)

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Finishing:
Where required, an improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing carefully within 5 minutes of application.

Cleaning:
Uncured white spirits, cured silicone sealant digester

Storage:
Store in cool conditions between +5°C and 30°C. PROTECT FROM FROST

Shelf life:
9 months from date of manufacture.

Health & Safety:
Consult Safety Data sheet for full hazards

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