



REDOFLEX

Polysulphide sealant – (GG)

Description

REDOFLEX (GG) is available in gun and pouring grades. The gun grade is ideal for general application. It is packed in a ready to mix, 6.5kg tin containing the base and curing agent in the correct proportions. REDOFLEX (GG) pouring grade is recommended for initial sealing of expansion joints and stress relief joints in floors and sealing other horizontal surfaces

Advantages

- Forms a tough, elastic, rubber-like seal
- Accommodates continuous and pronounced cyclic movement
- Excellent adhesion to most common substrates, including primed concrete, glass, aluminum and stainless steel
- High resistance to ageing reduces physical damage due to climatic extremes

Uses

The product is suitable for sealing joints of followings:

- Precast elements
- External walls
- Curtain walling and cladding
- Panel walls
- Window and door perimeter

Standard Compliance

- BS 4254: 1983, BS 5212 – 1990
- ASTM C920-87: Type M, IS 12118 (Part 1& 2): 1987

Technical Information

PROPERTIES	RESULTS
Colour	Grey paste
Specific gravity	1.75 to 1.80
Pot life	2 hours @ 20°C
Minimum application temperature	-20°C to +60°C
pH	7 to 8
Solid content	100%
Density	1.62 Kg/lit
Flammability	Does not support radially combustion (BS 5212-1990)
Chemical resistance	yes

Method of Application

- The joint surfaces must be thoroughly dry, clean and frost free. Remove all dust and laitance by rigorous wire brushing, grinding or grit blasting. Remove all rust, scale and protective lacquers from metal surfaces.
 - Where a particularly neat finish is required, mask the face edges of the joint before priming and remove immediately after tooling is completed
 - Gungrade: The base component and curing agent are supplied ready for mixing in a single tin. Mix thoroughly using a slow speed drill (300 to 500 rpm). Only thorough mixing, including material right at the bottom of the tin, will result in proper curing. In cold weather REDOFLEX mixes more easily if stored overnight at room temperature.
 - Pouring grade: REDOFLEX pouring grade is supplied in two separate containers, the base in the larger tin and the curing agent in a sachet. The sachet contents should be transferred to the REDOFLEX tin, and mixed as per the gun grade instructions.
- REDOFLEX should be tooled to a smooth finish. A minimum of surface lubricant such as dilute detergent solution may be used to assist the process. Any masking tape should be removed immediately after tooling.

Design criteria:

REDOFLEX may be applied to joints between 5 and 50 mm wide. Joints which are expected to experience cyclic movements should be designed to an optimum width: depth ratio of 2: 1, subject to the overriding recommended minimum sealant depths set out below:

- 5 mm for metals, glass and other non-porous surfaces;
- 10 mm for all porous surfaces;
- 20 mm for trafficked joints and those subject to hydrostatic pressures.

Limitations

- Over-painting of sealants is not recommended because of the inability of paint films to accept movement. However, if definitely required, trials should be carried out to determine compatibility.

Packaging

- REDOFLEX is supplied in 6.5 Kg packs.

Storage

- Shelf life is 12 months in unopened packs stored at room temperature i.e.27°C the liquid component must not be allowed to freeze.

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