



REDOFLEX PG

Polysulphide Sealant Pouring Grade

Description

REDOFLEX PG is pouring grades of polysulphide sealant. It is packed in a ready to mix and use. Supplied in two part base (part A) and curing agent (part B) in the correct proportions. REDOFLEX PG pouring grade is recommended for initial sealing of expansion joints and stress relief joints in floors and sealing other horizontal surfaces.

Advantages

- Forms a highly elastic, rubber-like seal
- Ease in use and economical
- Better resistance to cyclic movement of heavy loads
- Excellent adhesion to most common substrates, including primed concrete, glass, aluminum and stainless steel
- Resistance to ageing reduces physical damage due to climatic extremes
- Highly resistance to UV rays and exposed weathering conditions
- Chemicals and oil resistance
- Non-flammable

Uses

The product is suitable for sealing joints of followings:

- Dams, Reservoirs and water treatment plants
- All types of residential & Commercial buildings
- Subways, bridges, culverts, tunnels rigid pavements of highways, airport runways, aprons, etc.
- External walls, Curtain walling and cladding, Panel walls
- Window and door frames perimeter
- Harbor & port around marine areas and Dry harbor etc.
- Suitable for sealing joints subjected to heavy vehicular traffic and is chemically resistant to water, fuels, oils and solvents.

Standard Compliance

- BS 4254: 1983, BS 5212 - 1990
ASTM C920-87: Type M

Technical Information

PROPERTIES	RESULTS
Colour	Grey pourable paste (mixed appearance)
Specific gravity	1.75 to 1.80
Pot life	2 hours @ 20°C
Setting time	72 hours at 5°C 36 hours at 15°C 18 hours at 25°C
Minimum application temperature	+5°C to +80°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
Elongation	>450% (ASTM D882)
Elastic recovery	>70%After Heat Ageing (70 °C / 14 days) (BS 5212-1990)

Method of Application

- Remove all dust and laitance by wire brushing, grinding or grit blasting. Remove all rust, scale and protective lacquers from surfaces.
- The joint surfaces must be thoroughly dry, clean and frost free. Where a particularly neat finish is required, mask the face edges of the joint before priming and remove immediately after tooling is completed.
- REDOFLEX PG (pouring grade) is supplied in two separate containers, the base (part A) and the curing agent (part B) .Mix thoroughly part A and part B by its weight given and assure that application temperature should be in between +5°C to +80°C and pour directly in to the prepared surface joints.
- REDOFLEX PG 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.
- Initiation of curing of the joint sealant is started within 6 hours @30°C and complete cured @ 7 days to gain all properties.

Limitations

- Avoid to use or take special precautions where there is chances to come in contact with drinking water or food.
- In wet or damp areas it is recommended to perform suitable priming with PRIMER US 60 on both side of joints.
- Within its curing period of 7 days it should not come in contact with fuel or vehicular traffic
Avoid using it with materials contain bitumen
- Don't paint sealant joint as paint cannot be suitable to handle joint movements

Packaging

- REDOFLEX PG 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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