

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.

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.

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

Product Standard Compliance:

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

Company Standard Compliance:



Technical Information:

Properties	Specification
Colour Grey	Grey pourable paste (mixed appearance)
Specific gravity	1.75 to 1.85
Pot life	2 hours @ 20°C
Minimum application temperature	+5°C to +50°C
pH	7 to 8
Solid content	100%
Density	1.62 Kg/lit

Setting time	72 hours at 5°C 36 hours at 15°C 18 hours at 25°C
Flammability	Does not support radially combustion (BS 5212-1990)
Elongation	>450% (ASTM D882)
Elastic recovery	>70%After Heat Ageing (70 °C / 14 days) (BS 5212-1990)
Chemical resistance	Yes

Application Procedure:

- 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 +50°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.

Design Criteria:

REDOFLEX PG 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.

Finishing:

REDOFLEX PG shall be tooled to a smooth finish. A minimum of surface lubricant such as dilute detergent solution or white spirit may be used to assist the process. Any masking tape should be removed immediately after tooling. Normally, joints in REDOFLEX PG polysulphide sealant will be flush and unpainted.

Maintenance:

No special requirement, damage should be repaired if and when it occurs.

Limitation:

- 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

Cleaning:

Clean equipment immediately after use with REDWOP SOL. solvent.

Packaging:

REDOFLEX PG is supplied in 6.5 Kg packs.

Storage & Shelf-life:

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.

Health & Safety:

REDOFLEX PG polysulphide sealant is poisonous. The curing agent consists of a heavy metal based oxide. Skin contact shall be avoided. Impervious rubber or PVC gloves and eye protection shall be worn. Hands shall be thoroughly washed with soap and water before eating or smoking. Cured sealant should not be burnt off due to the generation of toxic fumes. Empty containers must be collected for careful disposal and not left lying about.

Skin contact shall be contacted. Eye protection and impervious rubber or PVC gloves shall be worn. Splashes must be washed off immediately. Prolonged breathing of vapour shall be avoided.

Hands shall be washed thoroughly before eating or smoking. In the case of eye contact, medical attention shall be sought immediately.



It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.



ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.



ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.



ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance



This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



Our Commitment To The Environment
Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.



ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.