

# REDOFLEX GG

Polysulphide sealant



## 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

## Uses:

The product is suitable for sealing joints of followings:

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

## 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

## Product Standard Compliance:

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

## Company Standard Compliance:



## Technical Information:

Properties	Specification
Colour Grey	Grey paste
Specific gravity	1.75 to 1.85
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

## Application Procedure:

- 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

- **Gun Grade:** 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 GG mixes more easily if stored overnight at room temperature.

**Design Criteria:**

REDOFLEX GG 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 GG 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 GG polysulphide sealant will be flush and unpainted.

**Maintenance:**

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

**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.

**Cleaning:**

Clean equipment immediately after use with REDWOP SOL. solvent.

**Packaging:**

REDOFLEX GG 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 GG 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.

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**REDWOP CHEMICALS PVT. LTD.**

Head Office Regd. Office: 2nd Floor, Pearlplaza Complex, Nr. GT Sheth School, 150 ft. Ring Road, Rajkot Gujarat 360005 India

✉ info.redwop@gmail.com 🌐 http://redwop.net ☎ 9724655551 📞 0281 2576664