



REDOSEAL

Polyurethane sealant - Grey/White

SEALANTS

Redwop®

Description

REDOSEAL is an elastic, single component, gun grade, moisture curing polyurethane sealant specifically developed to be used in building facade expansion joints where high elasticity is required.

Advantages

- Ready to use product
- Reduces the possibility of applicator error and possible joint failure
- Excellent thixotropic property - non-sag
- Elastic low modulus
- Pitch-free over paintable
- Movement capability 25%
- Bubble-free curing, no weak areas for air bubbles to develop
- Excellent resistance to weathering (DIN 14231)
- Very good adhesion to most construction materials especially concrete without the need of primer
- Permanently elastic over a wide range of temperatures

Uses

The product is suitable for sealing joints of followings:

- Precast elements
- Parapets
- External walling
- Culverts of bridge
- Curtain walling and cladding
- Retaining walls
- Panel walls
- Window and door perimeter

Compliance standard

- ASTM-920, DIN53504

Joint design:

- Joint should be properly designed by specifier and contractor so as to suit the moment capacity of sealant. When joint width is greater than 10 mm than its width & depth ratio will be 2:1.

Design dimension for concrete element (DIN 18540)

Joint distance (m)	2	2 to 3.5	3.5 to 5	5 to 6.5	6.5 to 8
Design joint Width (mm)	15	20	25	30	35
Min. joint width (mm)	10	15	20	25	30
Joint depth (mm)	8	10	12	15	15

Technical Information

PROPERTIES	RESULTS
Colour	Grey & white
Specific gravity	1.22 to 1.28
Tensile strength	15 to 17 N/mm ²
Elongation at break % DIN 53504 @ 27°C	>500
Tear strength in N/mm ²	6 to 8
Cure rate	2 to 3 mm per day
Minimum application temperature	5°C to 35°C
Skin formation in minutes @ 300C	40 to 45
pH	7 to 8

Method of Application

- Joint surfaces must be dry, clean and free of all contamination. Glass, metal and other nonporous surfaces must be free of any coatings and wiped clean with solvent if old sealant is there remove it completely.
- REDOSEAL has excellent adhesion properties even without the use of primer on most common building materials. However, natural stone, paints, coatings and other treatments of surfaces may present a difficult surface to which to adhere. Due to the number of unpredictable natures of these substrates, a preliminary test is recommended. Primer US60 may be required for porous surfaces.
- Ensure that the filler material such as a closed cell polyethylene sheet or rod is tightly packed and no gaps or voids are evident at the base of the joint. Where backing rod is not fitted a bond breaker tape must be used.
- Apply appropriate primer to joint sides and observe waiting time to avoid any air bubbles which may arise from the solvent heating under un-cured sealant. Firmly extrude sealant into the joint with the help of gun making sure that it is in full contact with the sides of the joint.
- Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

Coverage

- For coverage of REDOSEAL please visit our website: www.redwop.net

Packaging

- 600ml foil pack – 20 per box

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.

REDWOP CHEMICALS PVT. LTD.

Head office: 2nd Floor, Pearl plaza Complex, B/S GT Sheth School, Near KKV Hall, 150ft Ring Road, Rajkot- Pin.360005 Gujarat, India.

✉ info@redwop.net

🌐 www.redwop.net

☎ +91 97246 55551

☎ +91 281 2576664