

Technical Data Sheet

SHOOLIN SEAL PG-100 Two component polysulphide sealant

SHOOLIN

DESCRIPTION

It is a Polysulphide polymer based elastic sealant for horizontal expansion joints. which adhere to most of basic civil engineering material like cementitious substrates, Aluminum, Glass, Wood etc.

FEATURES / ADVANTAGES

- Easy to use, Cold applied.
- Good chemical & water resistance.
- Excellent adhesion with many materials.
- Very high thermal flexibility.
- Good UV, Flame and Fuel Resistance.
- Excellent Water proof

APPLICATION SURFACE

- For expansion joints in industrial, commercial or residential buildings.
- Joints in concrete roads bridges, subways, flyovers & airport runway.
- Concrete cracks repairs in slab.
- Joints in water retaining structures like water tank, swimming pool, aqueducts, dams, canals & reservoirs.
- Atomic nuclear power station reactor domes.
- Joints between pipe lines.
- Roof light joints. Wherever a permanently flexible seal is required.

APPLICATION METHOD

- Surface should be fully dry, clean and free from dust, laitance, oil and grease etc.
- Clean with sand paper & wire brush, then dust and foreign particles to be removed. Subsequently use masking tape at floor level beside both sides to get sharp edged neat and clean joint.
- Avoid adhesion of spill-over material beside the joint.
- Use polyurethane Foam (PUF) strips (equivalent) in expansion, construction & control joints as back up material to avoid 3-face adhesion and to avoid contact between joint forming board & sealant.
- Use of primer on vertical side faces of the joint is optional to ensure strong bonding between substrate and sealant. Primer must be recommended for old concrete.
- Sealant application should start after 30 minutes but not later than 2 hrs after priming the surface.

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- The Base and Accelerator compounds are packed in pre-weighed quantity as per the mixing ratio.
- Mix the material of individual container.
- Transfer entire quantity of Accelerator to the base compound and mix it thoroughly to a uniform and homogenous Grey color.
- Mixing can be done manually with spatula/palette knife or special flat stirrer attached to a low speed electric mixer less than 500 rpm.

TYPICAL PROPERTIES

FORM : 2 COMPONENT,

PASTE COLOUR : GREY

APPLICATION LIFE : 2 HOURS @ 25°C

INITIAL CURE : 24 HOURS @25°C

FULL CURE : 7 DAYS @ 25°C

APPLICATION TEMPERATURE : 5 - 50°C

DENSITY : 1.65 GM/CC

NON VOLATILE CONTENT : > 97%

OPERATING TEMPERATURE : -30 TO + 100 °C

HEALTH AND SAFETY

- SHOOLIN SEAL PG-100 and primer may cause sensitization by inhalation and skin contact.
- Wear suitable clothing, gloves and eye/face protection. Barrier creams provide additional skin protection.
- Any skin contact occurs; remove immediately with a resin removing cream, followed by soap and water. Do not use solvent.
- In case of contacts with eyes, rinse with plenty of clean water and seek medical advice. Use only in ventilated areas.
- Fire: Primer is flammable. Do not expose flames or other sources of ignition. No smoking. Containers should be tightly sealed when not in use. In the event of fire, extinguish with Co2 or foam.

STORAGE

Store in a cool dry place under shed away from heat.

SHELF LIFE

12 months from the date of production when stored properly in unopened undamaged and sealed original packaging in cool and dry condition at temperature +5°C to +30°C.

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PACKING

Available in 4 kg, 6.5 kg Pack.

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