K POLYSEAL G

Two Part Gun Garde Polysulphide Sealant

Description :

KPOLYSEAL is a two part gun grade joint sealant based on a liquid polysulphide when mixed together, cure to form a fairly stiff rubber like material. It forms a tough, elastic and flexible rubber like seal Accommodate continuous and pronounced cyclic movement, expansion and contraction. Excellent bonding adhesion to most common substrates, by use of recommended primers. Highly durable, remains unaffected by UV rays, ozone and weathering conditions. High resistance to ageing influence, water, saltwater, acids, 10% alkalis, vegetable, lubricate coating oils and fuels. Resistance to bio degradation prevents the growth of fungus and microorganism, slip resistance. Conforming to BS 4254.

Uses :

- It is to be used for the highest performance in sealing expansion joints where large movements is anticipated in concrete construction and for joints between diverse construction materials.
- It can be used in floor joints and joints in water retaining structures
- Can be used heavily trafficked floor joints or joints requiring high degree of chemical resistance.
- Suitable for sealing expansion and construction joints in subways, basements, buildings, walls and brickwork joints etc.
- It can be used sealing of joints in water retaining structures as water tanks, reservoirs, canals, dams, aqua duct, culverts and water treatment plants.
- Sealing of joints in traffic areas such as Bridges, roads, parking areas etc.

Advantages :

- Excellent adhesion to most surfaces including concrete, glass, aluminum and stainless steel.
- Excellent weathering characteristics with resistance to rain, snow, heat & ultraviolet light
- Accommodates continuous and pronounced cyclic movement.
- High resistance to ageing influences, physical damage and climatic extreme
- It is quick curing with low shrinkage
- Resistance to petrol, diesel, jet fuel and most other common solvents & also unaffected by mild acids and alkalis.

Application Instructions :

MIXING :

Mix Hardener in to the Base container, it is preferable to use a slow electric mixer with suitable stirrer with the speed of less than 300 RPM. Ensure thoroughly mixing till a uniform color (GREY) is obtained.

APPLICATION :

Prior to the application of the sealant, all surface must be cleaned and dried and primed with KPOLYSEAL PRIMER. After the primer is applied, it has to be relatively dry before a sealant can be applied. Deep joints should be back filled with a non retting backup material to which the sealant does not adhere eg. Closed cell polyurethane foam, which should be tampered into the joint to the required depth.

JOINT SIZE :

POLYSEAL may be applied to joints between 5 to 50mm wide. Joint for subjected to cyclic movements should be designed for an optimum width/depth ratio of 2 :1. Minimum joint depths are : 5 mm for metals, glass and other non-porous surface. 10 mm for all Porous surfaces like brick and concrete. 20 mm for trafficked joints and those subject to hydraulic pressures.

Dosage :

The optimum dosage is best determined by site trials. The dosage rate is 500 ml to 1 ltr. per 50 kg of cement.

Properties :

Physical App. (Mixed BASE + HARDENER)	:	Grey.
POT LIFE	:	2 to 3 hours.
Specific Gravity	:	1.6 kg / ltr.
Hardness	:	16 to 22 shore A.
FULL CURE	:	3 to 4 days.

Packing :

1 kg. and 5 kg.

Shelf Life :

12 months storage life when stored in original unopened container at between 5 °C to 45 °C in a dry and shaded place.

Health & Safety :

KPOLYSEAL is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately, do not induce vomiting.

Note :

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.