

K POLYSEAL PR

Pourable Grade Two Part Polysulphide Sealant



Description :

Polysulphide Sealant KPOLYSEAL PR is a two part, pourable, self leveling, Polysulphide based joint sealing compound consisting of base compound containing a liquid Polysulphide polymer and a second part, being an accelerator containing a curing agent. After mixing, the compound cures to form a tough, rubber like material with excellent flexibility and outstanding resistance to weathering water, salts, oils, mild alkalis etc.

Polysulphide Sealant KPOLYSEAL PR due to its pouring consistency is suitable for sealing horizontal joints, Polysulphide Sealant KPOLYSEAL PR has excellent adhesion to most surfaces including concrete, wood, glass, aluminum and stainless steel,. For all porous surfaces like concrete wood, KPOLYSEAL PRRIMER is necessary white primer is necessary for non-porous surfaces like metals and glass.

Benefits :

- Suitable for sealing expansion and construction joints in subways basements, building, walls and brickwork joints etc.
- Excellent weathering characteristics with resistance to rain, snow, heat & ultraviolet light
- It gets cured quickly curing with low shrinkage
- Accommodates continuous and pronounced cyclic movement
- Excellent adhesion to most common substrates
- High resistance to ageing influences, physical damage and climatic extremes
- Resistance to petrol, diesel, jet fuel and most other common solvents & also unaffected by mild acids and alkalis.
- Easy to apply.



Joint Size :

Polysulphide Sealant KPOLYSEAL PR may be applied to joints between 5 and 50mm wide. Minimum 5mm. Depth is recommended for metals, glass and other smooth surfaces while minimum 10mm. Depth is recommended for concrete and brickwork surfaces. Where resistance to external pressure is required, e.g. joints in floors and hydraulic structures, the use of a greater depth is recommended. Ideally joints subject to regular movement should be designed with a width/depth ratio of 2:1.

Properties :

Form : Two-part compound Mixing Proportion Base : Accelerator, 5 by wt. BASE : Thick, White Paste. ACCELERATOR : Thick, dark brown Paste. WEIGHT : 1.55 + 0.05 Kg/litre. Application temperature range = 5 to 50°C. Application life (i.e. Potlife) of the mixed compound (i.e. Base + Accelerator): 4-5 hours at 25°C, 3-4 hours at 30-35°C. Setting Time : 72 hrs. at 5°C, 36 hrs at 15°C, 24 hrs at 25°C, 18 hrs at 30-35°C. Curing Time : 8 weeks at 5°C, 4 weeks at 15°C, 2 weeks at 25°C, 12 days at 30-35°C.; Colour : Grey Colour. Flamability Burns but does not readily ignite.

Application Instructions :

Prior to the application of the sealant, all joint surfaces should be thoroughly cleaned and dried and primed with 'KPOLYSEAL PRRIMER'. Loose particles, dirt, dust, protective liquor, oil and grease should be removed by vigorous brushing with a wire brush and by means of suitable cleaners e.g. KEROSENE. 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.



Mixing :

KPOLYSEAL PR two part sealant is supplied as, the base in a pack and hardner (curing agent) in tin, ready for mixing. In order to mix both the compounds thoroughly it is preferable to use a slow speed electric mixer with suitable blades or paddles with the speed less than 300 RPM. Ensure thorough mixing till a uniform colour is obtained. Failure of the sealant will often occur if it is not completely and thoroughly mixed.

Tooling & Finishing :

To obtain a smooth surface, the sealant has to be tooled by drawing a flat tool, like a stainless steel spatula, over its surface. After sealing, the tools and equipments must be cleaned with KEROSENE.

Shelf Life :

12 months when stored in unopened original containers, away from direct sunlight.

Health & Safety :

KPOLYSEAL PRRIMER is highly inflammable liquid, must be stored away from heat. The curing agent contains a heavy metal oxide, contact with the skin should be avoided. Hands should always be washed thoroughly before eating or smoking.



Technical Services :

While new advances and changes will take place one thing will never change is quality and meeting special needs of customer. We are eager to work with you in development of new product and solve your problem.