

K2 POLYSEAL 22P

Pourable Grade Two Part Polysulphide Sealant

Description:

K2 POLYSEAL 22P is a two part, pourable, self-leveling, polysulphide based joint sealing compound consisting of the base compound (Part-A) containing a liquid polysulphide polymer and part - B 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. K2 POLYSEAL 22P is suitable for sealing horizontal joints due to its pouring consistency. K2 POLYSEAL 22P has excellent adhesion to most surfaces including concrete, wood, glass, aluminum and stainless steel.

Area of Application:

K2 POLYSEAL 22P is suitable for sealing horizontal structural expansion joint structures like building superstructures, subways, basements, floors and reservoirs.

Benefits:

- Excellent weathering characteristics with resistance to rain, snow, heat & ultraviolet light.
- It gets cured quickly 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.
- Forms a tough, elastic rubber-like seal.
- Long service life.
- Maintenance free.

Technical Properties:

Properties	Results
Nature	Two Components (Base and Accelerator)
Appearance: Base-(Part-A)	Thick, white paste.
Appearance: base-(Part-B)	Thick, Dark brown paste
Mixing Ratio	Base: Accelerator- 92:8 part (weight by weight)
Density of Mix Compound	1.6g/cc
Application Temperature	10°C to 50°C
Pot Life (application time)	2 hours
Setting time	10 to 12 hours Initial setting & 7 days full cure @ 30°C

Standard Complies:

K2 POLYSEAL 22P is a pourable grade two part polysulphide sealant conforming to BS 4254: 1983, ASTM C 920-87, TYPE M, Grade P, and Class 25.

Joint Size:

K2 POLYSEAL 22P 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 5mm for metals, glass and other non-porous surface. 10mm for all porous surfaces like brick and concrete. 20mm for trafficked joints and those subject to hydraulic pressures.

Application Instruction:

SURFACE PREPARATION

- Prior to the application of the K2 POLYSEAL 22P, all joint surfaces should be thoroughly cleaned and dried and primed with 'K2 HISEL PRIMER 2K.
- Loose particles, dirt, dust, protective lacquer, 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 tacky before sealant is applied.
- Deep joints should be backfilled with a non-retting backup material to which the sealant does not adhere e.g. closed cell polyurethane foam, which should be tampered into the joint to the required depth.

MIXING PROCESS

- K2 POLYSEAL 22P Sealant is supplied in a pack with base (part-A) and accelerator (curing agent-part-B). Empty part-B into part-A completely and mix.
- In order to mix both the compounds thoroughly, it is preferable to use a slow speed electric mixer with suitable blades or paddles with a speed less than 300 RPM.
- Ensure thorough mixing till a uniform colored is obtained. Failure of the sealant will often occur if it is not completely and thoroughly mixed.

TOOLING & FINISHING:

Mixed K2 RESIBOND ER should be brush applied to the prepared surface. The new concrete should be placed within 6 hours at 30° C to the K2 RESIBOND ER coated substrate, when it is in a tacky state.

Precautions:

- The width should not exceed more than 50mm
- The product should not be exposed to high temperatures. Avoid application below 100C temperatures.
- Traces of bitumen, loose or dust particles should not be there while applying.
- Adhesion of the product must only on two opposite faces of the substrate.

Packing:

- K2 POLYSEAL 22P is Available in 4 kg pack.
- Pack Contains - Part A – Base (3.680kg) & Part B – Hardener (0.320kg).

Shelf Life and Storage:

K2 POLYSEAL 22P has a shelf life of 12 months in unopened containers when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

FIRE

K2 POLYSEAL 22P is highly inflammable and it must be stored away from heat.

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

Important Note:

KONKEM Industries Private Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst KONKEM Industries Ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators.

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#02/0623