



HIND SEALANT PPU

PRODUCT DATA SHEET

TWO COMPONENT COAL TAR PITCH MODIFIED POLYURETHANE SEALANT

DESCRIPTION

Hind Sealant.PPU is Two Component Coal Tar Pitch Polyurethane Modified Sealant, black in colour. When the two components are mixed together prior to application, a chemical reaction is initiated which cures in presence of moisture to a firm, flexible rubber like seal with excellent adhesion to concrete, masonry, wood, glass, metal etc. It is capable of withstanding repeated extension, compression & cyclic movements without loss of adhesion and resists deterioration by weathering sunlight, ozone, water, salt, oils and fuels.

USES

- **Hind Sealant.PPU** is recommended for protection of Sealing of expansion, contraction & construction joints in building structure such as Basements, subways, retaining walls, floors, external walls and claddings of high-rise buildings.
- Sealing of dynamic structural cracks.
- Glazing joints of window, door frame and curtain walls.
- Sealing of joints in traffic areas such as Bridges, roads and car parking areas.

ADVANTAGES

- Cures at ambient temperatures to a tough, elastic and flexible rubber like material.
- Bonds strongly to most of the building materials.
- Durable, remains unaffected by UV rays, ozone and weathering conditions and resistant to biodegradation.
- Slip resistant (sag) can be applied in a horizontal joints.
- Movement Capability – Provides satisfactory hematic sealing of the joint subjected to expansion, contraction, vibration and cyclic movement upto + 20% of the width.
- Resilient recovers the original width after expansion & contraction without losing the surface bond.

APPLICATION

Surface Preparation

Preparation of surface is the most important step before application of sealant to get best results and to avoid failure. The joint surface must be dry, free from dust, coatings, bituminous mastics, concrete curing agents, mould release agents, oils, greases and loose particles. Clean the joint surface by wire brush and sanding with emery paper. Remove dust by compressed air or paint brush. Wipe out oil and grease by solvent soaked cloth (such as Xylene, Toluene or Acetone).

Masking Tape

Apply masking tape such as self-adhesive polyethylene, cellophane or cloth tape on both edges of the joint. It is used to improve the neatness of the finished seal by protecting the face edges of the joint. It may be removed immediately after tooling of the sealant.

Mixing

Two component **Hind Sealant.PPU** sealant are packed in pre-weighed quantity as per the mixing ratio. Mix the material of individual container first and then mix together and stir it thoroughly to a uniform, homogenous black colour. Mixing can be done manually with spatula / palette knife of special flat stirrer attached to a low speed electric mixer less than 500 r.p.m. Apply the mixed sealant by means of a spatula or by filling into a plastic cartridge which is then placed into the hand held causing gun into the joint.

Tooling and finishing:

It is desirable that a smooth surface is obtained. Tool the sealant by pressing the puffy knife or flat tool against the sealant surface, moving along the length of the joint. Tooling breaks air bubbles and exposes any air pockets present. Tooling compresses the sealant, thus promoting adhesion to the joint sides. After tooling the masking tape should be removed immediately.

PROPERTIES

Aspect	Black Paste
Specific Gravity	1.10 approx
Mixing Ratio	9 : 1 (Pre-packed) by weight
Application time (pot life) at 30°C	45-60 Minutes
Initial setting time at 30°C	4 Hours

PACKING

Available in 1 Kg. & 4 Kg. Kit

SHELF LIFE

Best before 6 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 20°C (Min.) and 35°C (Max.).

HANDLING PRECAUTION

Hind Sealant.PPU is non-toxic but ingestion is to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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