

ALGISEAL - PS

POLYSULPHIDE SEALANT FOR EXPANSION JOINTS

DESCRIPTION

Algicure PS is a two component sealant based on 'Thiokol' - Polysulphide liquid elastomer, which is widely used in all major construction projects. Algiseal PS consists of a base and curing agent which when mixed reacts and cures into a flexible rubber sealant. Algiseal PS is recommended for critical joint sealants and is superior to all other conventional joints sealing compounds such as bitumen mastic metallic channels, expansion sheets, plastic joining materials etc.,

ADVANTAGES

- Recovers to original width after expansion and contraction
- Fast curing
- Very low shrinkage
- Unaffected by dilute acids, alkalies, solvents lubricating oils etc.
- Easy and safe application
- Service temperature - 40°C to 80°C
- Excellent adhesion to concrete wood glass, masonry, acrylic etc.,
- Excellent movement capacity $\pm 25\%$ of width.
- Non sag sealant and hence can be applied to vertical ceiling joints.

APPLICATION

Sealing of expansion/contraction joints such as in,

- Basements
- Glazing
- Subways
- Bridges
- Structural cracks
- Joints in asbestos sheets, roofing
- Sealing for water proofing in water retaining structures.

JOINT SIZE

Algiseal PS is designed for application in the joints between 5 mm to 50 mm. The



depth of the sealant should be equal to half width but subjected to minimum of 6 mm and maximum of 12 mm.

SURFACE PREPARATION

All the joints should be free from loose material, dirt, grease, mould release agents, curing compound etc. and should be clean and dry. The expansion joint filler materials such as polyurethane, compressible polyethylene, thermocol, butyl rubber should be inserted to control the depth of the sealant and should be ensured that it is tightly packed.

PRIMING

Algiseal Primer PS is used to give a strong adhesion of the sealant. The sealant should be applied about 15 to 30 minutes after priming and within 3 hours.

BOND BREAKERS

The appropriate bond breaking type such as a polyethylene, thermocol & metal foils need to be used.

METHOD OF USE

Pour the entire contents of the curing agent into the base tin and mix for 5 - 10 minutes until uniform mix is obtained. Apply the mix immediately either with a gun or by using putty knife. Sealant face should be immediately made smooth.

Email: contact@algitechchemicals.net

www.algitechchemicals.in

ALGISEAL - PS

CLEANING

Cleaning the equipment has to be done using a brush or cloth dipped in kerosene.

HEALTH AND SAFETY

Inflammable. Therefore should not be stored near heat or naked flame.

PACKING

Algiseal PS is available in 1kg & 4 kg packs

ALGITECH RANGE OF PRODUCTS

Waterproofing & Waterrepellent coatings. Tile adhesives & tile grout, hollow & solid block, paver block admixtures. epoxy adhesives, bonding agents, sealants. Curing compound, surface retarder, mould release agents. Shotcrete accelerators, tunnelling anchor capsules. Airentraining compound, concrete & mortar plasticizers, superplasticizers, retarders. floor hardener, epoxy flooring & coating, cleaning agent, crack prevention agents.

COVER-AGE

For 20 mm width & 12 mm depth - 6 feet/Kg
20 mm width and 20 mm depth (for main slab water-proofing)= 3.5 feet/kg.

CHARACTERISTICS

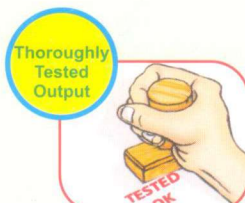
Form based	: Base & curing agent 2 component product.
Colour	: Base-white Curing agent-Black, Mixed - Grey.
Service temp	: 50°C to 45° C
Mixing ratio	:
By weight	: Base : curing agent = 92.8
Curing time	: at 15° C - 4 weeks 25° C - 2 weeks 35° C - 1 week
Pot life	: 2 hours
Shelf life	: 12 months in original sealed container
Movement	: $\pm 25\%$
Accommodation	:
Ultimate elongation	: 300%
Percentage recovery	: 90 \pm 5%
Bonding strength	: 3-4 kg/cm ²
Bulk density (after mixing Resin Hardener)	: 1.861



High Quality input



Research & Development



Thoroughly Tested Output



Modern Packaging

An ISO 9001-2000 Company

ALGI TECH

www.algitechchemicals.in

ALGITECH CHEMICALS

12/1A, Varambally, NH-17, Brahmavar - 576 213 Udupi Dist.

Tel : (0820) 2560385, 2561483

Mobile: 98452 42085, 9880779350, Fax: (0820) 2560285

Email : contact@algitechchemicals.net

NOTE: The Product should be used in accordance with the manufacturer's instructions. The manufacturer will not be held liable for the performance of the product if the same is not used as per the regulations and limitations specified by the manufacturer and also in conditions where the conditions of use are beyond the control of the manufacturer.