

SILCOR[®] PS Sealant

Two Part Polysulphide Based Fuel Resistant Joint Sealant for Rigid Pavements in Airports

Product Description

Silcor PS Sealant is a high performing, chemical and jet-fuel resistant elastomeric joint sealant based on liquid Polysulphide resin and catalyst. The cured sealant exhibits high resilience to chemicals, thermal stress and aging and effects of climatic exposure that shows excellent recovery characteristic after extended period of compression or elongation.

Features

Silcor PS Sealant has excellent adhesion to road surfaces

- Single-pack — no mixing
- Good UV resistance
- Resistant to water, UV rays, oxidation, corrosive fumes, motor and aviation fuels, dilute acids and alkalis.

Uses

- Rigid Pavements in Airports
- Concrete Roads and Highways
- Bridges
- Floor Joints in Buildings

Typical Properties

Colour, mixed	Black
Mixing Ratio of Part A: Part B	20:1
Specific Gravity, ASTM D1475	Approx. 1.85 ± 0.05 g/ml
Application Life, ASTM C1183	≥10 ml/min, 3 hours after mixing
Tack-free time, ASTM C679	1 hour
Shore A Hardness, ASTM C661	≥ 25
Adhesion-in-Peel, N Aggregate loss in bond and cohesion Mortar substrate unprimed, ASTM C794	≥ 22.2 N
Visual Inspection for cracking after accelerated weathering, ASTM C794	Pass, no cracking

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods, site conditions, use environment and ambience conditions.

Application

Joint Preparation

Surface must be dry, sound, free from dirt, grease, oil and other loose foreign matter. (Use backer rod to adjust joint width to depth ratio. Good adhesion can be achieved on clean, dry, uncontaminated concrete, brickwork, timber, metals, ceramics and most coating surfaces without use of primers.

Mixing

Use a slow speed drill machine / mixer fitted with a spiral stirrer and mix for 10 minutes. The product is ready to be used when you get an uniform smooth paste without any streak of grey or black color.

Application

Silcor PS Sealant can be applied by a caulking gun with the help of cartridge or with the help of the application machine after mixture is poured. After application, smoothen the sealant with a spatula to get a smooth finish.

Application ambient conditions

Do not apply when the relative humidity exceeds 90% or when the surface to be coated is less than 5% above the dew point. Do not apply temperatures below 5°C and temperatures above 40°C.

Shelf-life

Product has a shelf life of 12 months in unopened packages from date of manufacture, when stored in a dry, cool place at 25°C, 60% RH

Cleaning

All tools and equipment may be cleaned with suitable solvent before material hardens.

Health and Safety

Users must read and understand the product label and Safety Data Sheets (SDSs) for each system component before use. All users should acquaint themselves with this information prior to working with the material. Carefully read detailed precaution statements on the product labels and SDSs before use. The most current SDSs can be obtained from the local GCP representative.

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