

SHALIMAR'S KAVASSU POLYSULPHIDE SEALANT-216

INTRODUCTION

SHALIMAR SEAL & TAR PRODUCTS PVT. LTD.

- WATER REDUCING ADMIXTURES (PLASTICIZERS & SUPER PLASTICIZERS)
- CURING COMPOUNDS
- INTEGRAL CEMENT WATERPROOFING COMPOUNDS
- JOINT FILLERS/SEALANTS
- FOAMING/RETARDERS/ ACCELERATING/ AIR ENTRAINING AGENTS/ HYPER PLASTICIZERS
- GROUTS & ANCHORS
- INDUSTRIAL FLOORINGS
- INSULATION PROTECTION
- SILICON SEALANTS
- ADHESIVES/TILE GROUTS
- WATERPROOFING CEMENTITIOUS
- ACRYLIC WATERPROOFING COATINGS
- DAMP PROOFING COARSE/EXTERNAL WALLS SEALANT
- PRIMERS/MISLENEOUS COATINGS
- ROAD EMULSION/FILLERS/GENERAL & INDS. BITUMEN
- APP & SBS MODIFIED MEMBRANES & BITUMEN FELTS
- ANTI CORROSIVE/RUST REMOVER & CONVERTOR COATINGS

All products are manufacturing by India's biggest Plant of its kind. M/s. Shalimar Seal & Tar Products Pvt. Ltd., an ISO 9001, 14001 & 45001 accredited company having a highly equipped in-house Research & Development laboratory with ultra modern facilities for manufacturing a quality product under technical guidance & specifications provided by both Shalimar Seal & Tar Products Pvt. Ltd. & M/s. Kavassu International Pvt. Ltd. Products are backed by innovative GTX Technology. All products are timetested with varying climatic conditions through out India and have got very strong history of service and case studies in various application areas viz-a-viz construction of Buildings, Factories, Harbors, Dams, Canals, Bridges Atomic, Thermal, Hydel Power projects, Tunnels, Sub-way Boxes, Tube Railways, Roadways, NHAI etc. Shalimar's have got a wide range of products includes some special products, which are obviously not in our product range because of their end use in specific applications. Details can be provided on request. All products are manufacturing by using indigenous as well as imported raw materials to meet out the international quality standards & design to combat water and dampness in structures. All products are easy to use, environment eco-friendly and provide the user a very cost-effective remedy to sort out the problems, which unless and until considered unsolvable.

KAVASSU POLYSULPHIDE SEALANT-216

GENERAL DESCRIPTION

KAVASSU POLYSULPHIDE SEALANT-216 is a two part joint sealant based on a liquid polysulphide polymer. It is supplied as a base component and curing agent in the correct proportions which, when mixed together, cure to form a tough rubber like material. When cured, the sealant exhibits excellent adhesion to most surfaces including concrete, aluminum and stainless steel. Priming is recommended for porous surfaces and for some specific surfaces and applications. **KAVASSU POLYSULPHIDE SEALANT-216** is available in pouring grade (PG) for joints. **KAVASSU POLYSULPHIDE SEALANT-216** is particularly recommended for use in highrise buildings and other applications where access for subsequent maintenance will be difficult and the risk of early movement failure must be minimized. It is also suitable for sealing joints in subways, basements, retaining walls, reservoirs and brickwork joints.

ADVANTAGES

Forms a tough elastic rubber-like seal. Accommodates continuous and pronounced cyclic movement. High resistance to ageing influences, physical damage and climate extremes.

USES

KAVASSU POLYSULPHIDE SEALANT-216 is a two part joint sealant based on a liquid polysulphide polymer. **KAVASSU POLYSULPHIDE SEALANT-216** is a version designed for use in joints & cracks. Adhesion is excellent to most common building substrates. The gun grade is particularly recommended for sealing both vertical and horizontal structural expansion joints in most civil engineering structures like building superstructures, subways, PQC Joints, basements, floors and reservoirs.

JOINT SIZE

KAVASSU POLYSULPHIDE SEALANT-216 may be applied to horizontal joints between 5 and 50 mm wide. Joints which are expected to experience cyclic movements should be designed to an optimum width depth ratio of 2:1 subject to the overriding recommended minimum sealant depths set out below: 5mm for metals, glass and other nonporous surfaces. 10mm for all porous surfaces. 20mm for trafficked joints and those subject to hydrostatic pressures. To ensure that the sealant remains within its stated movement capacity (25% (25% MAF)) the width of the designed sealing slot should be in accordance with the recommendations of BS: 6093:1981 part 6.2.2 and 6.26.

PRIMER COVERAGE

SSTPL offers a comprehensive range of high performance, high quality concrete repair and construction product. In addition, SSTPL offers technical support service to specifiers, end-users and contractors, as well as on site technical assistance in location all over the country.

FINISHING

KAVASSU POLYSULPHIDE SEALANT-216 shall be tooled to a smooth finish. A minimum of surface lubricant such as dilute detergent solution or white spirit may be used to assist the process. Any masking tape shall be removed immediately after tooling. Normally joints in **KAVASSU POLYSULPHIDE SEALANT-216** will be flush and unpainted.

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PROPERTIES

Form	: Two-part compound Base:Paste
Colour (mixed material)	: Grey
Storage life	: 12 months in original containers in dry conditions within the range 5°C to 35°C
Flash point	: Over 65°C
Solids content	: 100%
Density	: 1.60 1/65 kgs/Ltr
Curing Change	: Chemical cure
Application	: 5°C to 45°C
Temperature	
Operating Temperature	: -20°C to 60°C
Pot life	: Min. 2 hrs at 25°C
Setting time	: 72 hours at 5°C, 36 hours at 15°C 18 hours at 25°C

Water immersion. **KAVASSU POLYSULPHIDE GAP FILLER -216** must be fully cured before permanent immersion in water.

PACKAGING

KAVASSU POLYSULPHIDE SEALANT-216 is KAVASSU EPOXY RESIN PRIMER 250 in 0.125 kg pack.

COVERAGE

1 liter of KAVASSU EPOXY RESIN PRIMER 250 for every 300 liters of KAVASSU POLYSULPHIDE GAP FILLER-216.

APPLICATION

KAVASSU KAVASSU POLYSULPHIDE SEALANT-216 shall be stored in cool, dry conditions in original tightly sealed containers

HANDLING PRECAUTIONS

KAVASSU POLYSULPHIDE SEALANT-216 is poisonous. The curing agent consists of a heavy metal based oxide. Skin contact shall be avoided

JOINT PREPARATION

The joint surfaces must be thoroughly dry, clean and frost free. All dust and laitance shall be removed by rigorous wire brushing, grinding or grit-blasting. All rust, scale and protective lacquers shall be removed from metal surfaces. Any oil or grease shall be removed with detergent. Any expansion joint filler must be checked to ensure that it is tightly packed and no gaps or voids exist at the base of the sealing slot.

PRIMING REQUIREMENTS

The use of a primer is always required on porous surfaces. On non-porous surfaces application of primer is not normally required except where glass or glazed surface are to be permanently immersed in water KAVASSU EPOXY RESIN PRIMER 250 is a surface conditioner for polysulphide sealant. It is a one-part clear liquid for brush application, supplied in 125 ml tins. Primer should be used on concrete, stone, brickwork, timber and unglazed edged of ceramic tiles, glass and Aluminum. One thin coat should be applied and allowed to dry until tack free before sealing (Normally up to 30 minutes) Excessively porous surfaces may need more than one coat. Using a clean, dry brush, complete coverage shall be ensured, but over priming shall be avoided resulting in an excess of primer in the base of the joint or application beyond the joint faces. The mixed **KAVASSU POLYSULPHIDE SEALANT-216** shall be applied when the primer is tack free. After 30 min the surface must be re-primed before applying the sealant. Iron and steel

ENVIRONMENTAL HAZARD

NONE

QUALITY ASSURANCE

As per
ISO - 9001:2015
ISO - 14001:2015
ISO - 45001:2018



Manufactured By: **SHALIMAR SEAL & TAR PRODUCTS PVT. LTD.**

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IMPORTANT NOTE :

Products are available at all leading cement, hardware, Tile & Paint stores through our wide network of distributors across the country. The product information & application details given by the company & agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure the suitability of products meeting their requirement prior to full-scale usage of our products. Since the correct identification of the problems, quality of other materials used & on-site workmanship are factors beyond our control there are no expressed or implied guarantee/warranty to the results obtained. The company does not assume any liability or any consequential damage for less than satisfactory results, arising from the use of our products. The leaflet supersedes the previous one and a new issue may take place without notice to supersede this edition as and when it becomes necessary.

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MANUFACTURING PLANT LOCATION
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