

KAVASSU PQC UK-PFX FLEXICOAT

(ANTI SKID THREE COMPONET FLEXIBLE PU SCREED FOR RIGID PAVEMENT SURFACE REPAIRS)

*Real
Revolution*

INTRODUCTION :

SHALIMAR SEAL & TAR PRODUCTS PVT. LTD. is pioneer in Manufacturing / Marketing well known Shalimar brand high performance construction chemicals and waterproofing products. Various product segments are given below :

- 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 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 world's leading company NILE WATERPROOFING COMPANY Egypt, ISOLTEMA SPA, Italy & CAPITAL UNITED, Canada. 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.

REVOLUTIONARY PRODUCT GLOBALLY INTRODUCED BY AN INDIAN COMPANY SHALIMAR SEAL & TAR PRODUCTS (P) LTD.

GENERAL

Kavassu PQC UK-PFX FLEXICOAT is solvent free modified Polyurethane screed mortar system to repair damages of PQC in such a manner to give perfect patching & to get a perfect bond with old concrete surface. It ensures a high strength durable bond due to latest UK-PFX technology. It based on 3 pack system containing Part-A,B & C to make the finished surface, voids & bubble free, highly durable & abrasive resistant.

KAVASSU PQC UK-PFX FLEXICOAT is a 3 pack, solvent free PU based repair screed provides the repaired concrete surface a perfect finish with a seamless, heavy duty, as well as slip resistant attractive finish. Its applied by trowel and can be applied by laiding to falls. It has an excellent resistant to heavy vehicular movements. Apart from that, it also resistant to common acids found in industrial sector.

The Durability of road structures depends on the quality of its maintenance & minor renovations. Maintenance keeps the roadways safe, provides good driving conditions & prolongs the life of the pavement, thus protecting the road investment. Despite following the IRC, MORTH guidelines for quality, procedural aspects & specifications to lay the PQC up to the international standards, various cracks and joints edge sealing in the PQC can be observed which requires prompt sealing and repair to prevent water entering through the surface.

KAVASSU PQC UK-PFX FLEXICOAT is 100% solids, non-shrink, flexible joint repair mortar which is widely used to repair concrete surface & rehabilitation of concrete roads & Runways are required to have a smooth riding quality as well as avoid inconvenience causing to the vehicles and aircrafts. **KAVASSU PQC UK-PFX FLEXICOAT** remains intact without breaking the bond within the joint year after year. It has pourable consistency but must be mixed mechanically or with manual blender. **KAVASSU PQC UK-PFX FLEXICOAT** is a premier solution for bridges and Rigid pavement highways as a permanent repair solution for high performance pavements, which would offer minimum downtime and, at the same time, maintain limited exposure of work crews to traffic.

ADVANTAGES

- Can be used on rigid as well as flexible pavements.
- Easy to install over existing pavements with min labour.
- Excellent protection to surface in case of oil spillages.
- Excellent protection of road surfaces during heavy rains.
- Excellent ready to use material for Crack Repairs.
- **KAVASSU PQC UK-PFX FLEXICOAT** penetrates into the cracks as crack sealant while traveling, surface cracks does not appear again because of its high elastomeric properties.
- Lessons repeated cost of multiple repairs year after year on highways by using conventional methods.
- Solvent free PU screed system confirming durability.
- Acid, alkali, oil, grease etc proof.
- Excellent Bond to concrete surface.
- Excellent adhesion property.
- Very high early and ultimate strength.
- Excellent chemical and weather resistance.
- Economic with affordable coverage.
- Traffic could run after 4 hours of application.



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USES

This material can be used for following repairs and rehabilitations of :

1. PQC roads, ROB & surface cracks including underpasses.
2. Expressways, aprons of airports, nosing wheel areas, where the loads expected more than 75-100 tonnes per sq.ft. area.
3. Heavy Industrial floors, shop floors.
4. Light conduits to put lights on the runways.
5. All the surface exposed to the sunlight.
6. A top surface of spillways, bucket area of Dams, where water pressure is more, & surface is exposed to sunlight.
7. To fix cat eye & to build rumble strips.

SURFACE PREPARATION

The damaged surface should be identified & cleaned thoroughly by wire brushes, Now surface should be clean, dry & free from all types of laitance, oils paints, or other forms of contamination by air compressor. if any found belong to the above category, then it should be cleaned properly by using some sorts of solvents. Before laying the **KAVASSU PQC UK-PFX FLEXICOAT**, the concrete surface should be neat and clean with air blower with a sound finish. if any stains are there , then it should be cleaned with the help of any suitable thinner, to ensure a durable bond. The surface must be primed with Shalimar PU bond @ 10 m²/Liter properly so that bonding with concrete shall be monolithic.

MIXING

Mix **KAVASSU PQC UK-PFX FLEXICOAT**, the Part B shall be mixed thoroughly by pouring it to the container then slowly add Part C until suitable formation of paste & add Part A as final component to the mixed material & mix thoroughly for 2-3 minutes, till an uniform mix appears using a high speed drill machine.

APPLICATION

Once it is mixed properly, lay all the materials to the primed area, apply it using a steel trowel, use solvents lightly with the trowels with interval of 5 min. to apply it easily to get the desired thickness i.e. 25mm, 50mm etc. Finish the surface using the trowel so get the desired finish. Leave the surface at least 4 hours for normal traffic, and 3 days for full traffic, so that the topping will be with proper bonding properties. Avoid excess troweling to avoid marks like burning. Application temp should not be less than 5°C. Leave the applied surface upto 4 hours to get the surface desirable movements.

COVERAGE

KAVASSU PQC UK-PFX FLEXICOAT covers @45 kg/m² with 25 mm thickness. How ever more coverage can be achieved by consulting the technical advicer from SSTPL Technical support.

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.

STORAGE

KAVASSU PQC UK-FLEXICOAT may be stored for a year below 27 °C in manufacturer's sealed containers in dry conditions and out of direct sunlight.

ENVIRONMENTAL HAZARD

NONE

FIRE & SAFETY

SHALIMAR PU BOND & KAVASSU PQC UK-PFX FLEXICOAT solutions are flammable. Do not expose to naked flames or other sources of ignition. No Smoking at site as well as stockyard. Containers should be tightly sealed when not in use. In the event of fire, extinguish with Co₂ or foam.

TECHNICAL PROPERTIES

Compressive strength BS 6319 part 2	1day	:	38 N/mm ²
	7day	:	55 N/mm ²
	11day	:	65 N/mm ²
Pendulum Slip Resistance (BS 7976 part 2 4s slider)		:	Dry 95 Wet 65
Pot life @27°C		:	30 min
Gel Time @ 27°C		:	45 min
Touch Dry Time @ 27°C		:	1 hours
Hard Dry Time @ 27°C		:	4 hours
Full Curing Time @ 27°C		:	7 days
Application Temp.	Min	:	5 C
	Max	:	35 C

PACKING

Part A,B & C Mix 15 kg./ 30 kg. pack.

COLOR AFTER APPLICATION

IVORY/ BRICK RED/ CEMENT GREY/ BLACK

HANDLING PRECAUTIONS

KAVASSU PQC UK-PFX FLEXICOAT is an flexible PU copolymer chemical. Cleanliness in handling PU resins is essential to prevent skin irritation. Gloves must be worn and use goggles to prevent contact with eye. Any splashes on skin should be washed with plenty of clean & cold water & medical advice sought immediately.

QUALITY ASSURANCE

As per ISO 9001 - 2000



Manufacturing Plants Locations:

AHMEDABAD ■ **JAIPUR** ■ **PUNE**

Registered Office :

C-88, Capital House, Subhash Nagar, Jaipur-302016 (India)

Under Lic. 14827.04 issued by ICL Australia, New Zealand
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