

# SHALIMAR'S KAVASSU STRUC - 486

## 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, 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.

## PCE MODIFIED HYPER PLASTICIZER

### GENERAL

**Kavassu Struc 486** is a PCE modified 3rd generation high range water reducing hyper plasticizer ideal for using in Self compacting concrete with an effective value of getting higher workability with low dosage, & to achieve high early strength so as to satisfy the water reducing properties. It helps the concrete to be compacted automatically after the placing of the mix. **Kavassu Struc - 486** is used for High Quality ready-mix concrete using Total Performance Control, especially in case of high slump required concrete as well as self compacting concrete. **Kavassu Struc- 486** is hyper plasticizer based on modified poly carboxylic ether to reduce upto 40% water from the control mix at its saturated point.

### USES

**Kavassu Struc- 486** is used in case of ready mix high grade concrete where high slump flowable concrete is required. In case of difficulty application areas, i.e. Pre Stress Girders where manually pouring of concrete is difficult for job working, there it is more suitable than other admixture families, which enable the concrete to be self compacted.

### AREAS OF APPLICATION

**Kavassu Struc- 486** is recommended for all concrete mixes where significant water reduction, improved cementitious material performance (more Mpa/Kg), improved finishing and enhanced slump retention characteristics are desirable.

**Kavassu Struc- 486** is especially recommended for use in ready mixed concrete applications where low stickiness and superior workability retention characteristics are required.

### SAFETY

**Kavassu Struc- 486** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.



## DESCRIPTION

Kavassu Struc 486 is a Poly carboxylic modified dispersed with some highly effective viscosity modifying agents, based admixture confirms to IS 9103/1999-2003. It is a high performance cohesion agent specially design to ensure a good consistency and stability in high grade self compacting concreting. Due to typical dispersive properties, it helps the concrete to be self compacted without the help of any vibration. Due to its accelerative property just after the desired workability hours, it helps the concrete to achieve an early strength of at least 80% of the target strength in 7 days. Due to its elasticity property, it helps the concrete to be free from any type of shrinkage or cracks.

## DOSAGE / LIMITATION

Kavassu Struc 486 can be used @ 0.25 - 5% of the total cement content. The optimum dose can only be established after trials, tests, taking into account local conditions. It should be charged in to the concrete mix strictly avoiding the mixing of any other admixtures, if any found with contact, then it should be cleaned thoroughly. Due to chloride and alkali free by property, it does not allow any adverse impact to be affected to concrete. In case of higher dosage, please feel free to contact our technical support team regarding the dosage Limitation.

## ADVANTAGES

- Excellent Workability & retention with low dosage for economy.
  - Increases the workability factor as desired without addition of extra water.
  - Increase the cohesiveness of the concrete so as to avoid bleeding and segregation factors.
  - Due to typical accelerating properties, helps the concrete to achieve high early strength.
  - Maintain the cohesive flow property in case of Self compacting Concrete, without any bleeding and segregation effect
  - Helps the concrete to be smoother for pumpable operation as the cohesive ness is maintained up to the desired time.
  - Make the concrete more effective by reducing the water up to 40%.
- Make the concrete to achieve more than 80 % of the target strength @ just 7 days.

## TECHNICAL DATA

NAME	:	KAVASSU STRUC - 486
APPEARANCE	:	LIGHT BROWN YELLOWISH LIQUID.
SP. GRAVITY@27°C	:	1.03>
CHLORIDE %	:	NIL to EN 934
PH	:	> 6
ASH CONTENT	:	> 2%
ENVIRONMENTAL HAZARD	:	NONE
SELF LIFE	:	12 MONTHS in SEALED PACK UNDER SHED. (Cool & Dry Conditions)

## PACKING

50 & 250 Kg.

## HSN CODE

38244090

## QUALITY ASSURANCE

As per  
ISO - 9001:2015  
ISO - 14001:2015  
ISO - 45001:2018  
EN - 934



IS 9103:1999



CML No.8400176311



ISO 14001:2015



ISO 9001:2015



ISO 45001:2018



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

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MANUFACTURING PLANT LOCATION

JAIPUR

CUSTOMER CARE :

+91-9829065184, 8003993311, 8003993312

### 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.

Latest Revised on September 2024 & supersedes all earlier revisions

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