

KAVASSU PLAST SP - 431

*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.



National Award Winner



(Advanced Performance Super Plasticizer)

GENERAL

Kavassu Plast SP-431 is a chloride free super-plasticizer & water reducing agent for concrete. It imparts high workability to concrete mixes so that large or difficult pours can be carried out with little or no compaction. It can also be used to achieve large water reductions in concrete mixes of normal workability thereby producing higher early and final strengths.

USES

Kavassu Plast SP-431 is used in case of ready mix concrete where high slump carried flowable concrete is required. In case of difficulty application areas, where manually pouring of concrete is difficult for job working, there it is more suitable than 1st generation admixture families, which enable the concrete to be self compacted. Kavassu Plast SP-431 can also be used as a water reducing agent. It ensures greater economy in the amount of mixing water required and so produces higher early and final Strength while maintaining good workability. Kavassu Plast SP-431 is particularly suitable for ready mix concrete, concrete road projects, dams, bridges & precast block manufacturing industry.

ADVANTAGES

Kavassu Plast SP-431 makes concreting operations more efficient, helps to reduce overheads and costs, improves pumping efficiency & provides optimum flow & homogeneity. Kavassu Plast SP-431 considerably increases the workability & flow properties of the concrete without the need for additional mixing water. It reduces the internal friction and thixotropy of the mix to a minimum without the risk of segregation thereby making pumping operations more efficient. It provides a concrete mix with exceptional placing characteristics and accelerated cement hydration for early strength development & high quality concrete without the usage of any external man power for placing as it is having the self compaction property when used in higher grade mix designs.

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INSTRUCTION FOR USE

Add Kavassu Plast SP-431 at the time of mixing of concrete at batching plant or job-site shortly before placing of concrete. The same applies to ready-mix concrete batching plants. For best results mix the concrete for 1-5 mins. depending on power and volume of the mixer initially. Before placement of concrete from transit mixture allow transit mixture to run for 5 minutes at maximum speed. The flow effect lasts 60 -180 minutes after the addition of Kavassu Plast SP-431 depending upon the dosage & site conditions. The concrete should therefore be placed without delay. Kavassu Plast SPWRA Retarders can be added to give longer periods of workability without loss of slump. It is possible to obtain a high quality concrete mix with accelerated strength development and extended workability without delayed setting characteristics.

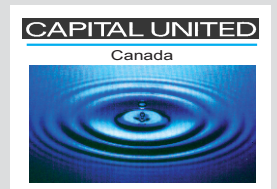
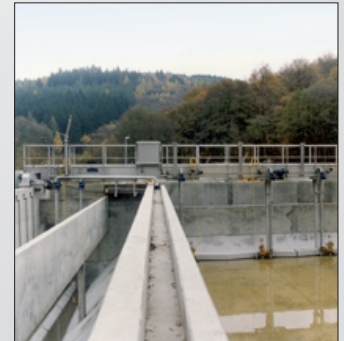
PACKING 20, 50 & 250 Kg HDPE Barrels.

ENVIRONMENTAL HAZARD None.

QUALITY ASSURANCE As per ISO 9001-2008

TECHNICAL DATA

Product Base	: Sulphonated Naphthalene Formaldehyde
Type of admixture	: Super plasticizer chloride free, as per ASTM C 494 & IS: 9103 & IS:2645
Form	: Faint Black Brown liquid
Dosage	: 125 ml - 1 Ltr per 50 KG Cement. (0.5% - 2% by weight of cementitious)
Storage	: To be stored in original container protected from sunlight and frost. Shake will before use.
Shelf Life	: 12 months
SP. GRAVITY@27°C	: 1.18 +/- (10%)
DRY MATERIAL %	: 41(±15%)
CHLORIDE %	: NIL
ALKALIES	: NIL
ASH CONTENT	: 12.00 (±15%)
PH	: 6 - 9



Manufactured By:

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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.

SHALIMAR (STRENGTH OF CONSTRUCTION)