

KAVASSU GUNITEX - AFA

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 :

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| <ul style="list-style-type: none"> ● 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 | <ul style="list-style-type: none"> ● 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 |
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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.



ALKALI FREE ACCELERATOR FOR SPRAYED CONCRETE & MORTAR

GENERAL

Kavassu Gunitex- AFA is a high performance set accelerator for sprayed concrete .It is liquid admixture whose dose can be varied to the desired setting and hardening for guniting, shotcreting etc. Kavassu Gunitex - AFA is a alkali free accelerator for all types of concrete & mortars. Shaligunitex - AFA is supplied in liquid form and accelerates the setting time of the admixed concretes or mortars there by providing multiple advantages. The use of Kavassu Gunitex -AFA permits concreting at temperature ranging down to 1°C. Kavassu Gunitex - AFA increase the rate of hydration and lowers freezing point of fresh concrete in addition to accelerating effect. Its excellent accelerating properties can be best availed by use of high speed concrete pumps.

USES

Kavassu Gunitex - AFA is suitable for all application,where exceptionally high early strength,and extremely thick layers are required.Cement mortar admixed with Kavassu Gunitex - AFA sets rapidly,hence quick placing of wet mortar is required.

CONSISTENCY

Kavassu Gunitex - AFA is formulated with selective alkali free ingredients and is manufactured under controlled conditions to give a consistent regular product.

ADVANTAGES

Kavassu Gunitex - AFA produce concretes suitable for placement in relatively cooler atmospheric conditions assuring an uninterrupted continuation of work. The tendency of concrete to exhibit efflorescence is strongly suppressed by the use of Kavassu Gunitex - AFA. It combines with soluble present in wet cement paste and reacts chemically to lower the freezing point of fresh concrete. It simultaneously brings about acceleration in setting time even at low temperature. For achieving the best results gauging water must be kept to a minimum to obtain a dry consistency. Kavassu Gunitex -AFA make the mix homogenous & ensure good pump ability. It avoids sudden congelation. It increases strength very rapidly.

INSTRUCTION FOR USE

Kavassu Gunitex - AFA can be used with all types of normal cements. The substrate should be clean and free loose particles and preferable damp. It is recommended to use fresh cement The addition of AFA should be done in the course of discharging of concrete through pressure nozzle by means of suitable dosing devices. Under normal circumstances AFA enables quicker demoulding of formwork As the age of the cement can have a negative influence on the setting property of the mix. The product is sensitive to the type of cement hence a preliminary test to check setting and the 24 Hour strength of the cement planned for use in a project.

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DOSAGE

The dosage depends on the temperature conditions, reactivity of cement used and on required thickness, off layers, setting time and early strength development. The consumption is normally in the range of 3 to 12 % of binder weight over dosing above may result in a decrease in final strength. Since the rate of acceleration of setting of concrete depends on various factors like quality of cement, grading of aggregates, working temperature etc, a preliminary test under site conditions is essential to determine the exact proportion of Kavassu Gunitex - AFA to be added to achieve maximum results. At air temperature upto Kavassu Gunitex - AFA should be added at a rate of 0.4 to 1.5% of cement weight.

PRECAUTIONS

Keep gauging water to a minimum.
Do not use frozen aggregates.
Areas to be concreted should be free from ice.
Fresh concrete should be so sheltered as to ensure the preservation of heat of hydration evolved.
This is a factor influencing capillary pores and micro structure of concrete.
The rules laid down by concerned authorities for concreting in cold weather, should be strictly adhered to.

Compatibility of

KAVASSU GUNITEX- AFA with other admixtures:

Kavassu Gunitex - AFA is a compatible product, which can be put to multiple uses in combination.

Kavassu Gunitex - AFA is compatible with KAVASSU PLAST series of super plasticizers & Kavassu waterproofing admixtures and air entraining agents. Preliminary trial is required as per technical data.

STORAGE

Kavassu Gunitex - AFA must be stored at a minimum 5°C and maximum 35°C (optimum temperature for storage and performance is 20°C). Must not be stored in normal steel containers as the pH can cause corrosion that might cause the performance of the product. It must be stored in HDPE barrels for best results. Must be agitated prior to use by mechanical stirring or re circulation pumping. It has a self life of 6 months. Performance testing for the dose should always be carried out before use.

PROPERTIES

Form	: Liquid suspension
Colour	: Colour less
Density	: 1.43±0.02
pH Value (1:1 water solution)	: 2.60±0.50
(Na 20%)_chloride free	: <1%

PACKING

liquid 250 kg drums, 25 kg containers

SHELF LIFE

6 months in unopened sealed containers.

QUALITY ASSURANCE

As per ISO 9001: 2008



Manufactured By:

SHALIMAR SEAL & TAR PRODUCTS PVT. LTD.

Plot No.:148, Village: Mansarkhedi, Bassi - 303301(India).

B - 6, 7 & 8, Jaipur Tower, Opp. All India Radio, M.I.Road, Jaipur - 302001, Rajasthan (India).

Ph:+ 91-141-4025184,3919884, 2364228, 5104528.

FAX: +91-141-2370004

E-Mail: sales@shalimartar.com, support@shalimartar.com

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.

Manufacturing Plants Locations:

AHMEDABAD ■ JAIPUR ■ PUNE

Registered Office :

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

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CUS. CARE: +91-9829065184, 8003993311, 9822555752

www.shalimartar.com

SHALIMAR

(STRENGTH OF CONSTRUCTION)