

KAVASSU GROUT - EHS

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, NHA1 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.



Ultra Strength Free Flow Non-shrink Grout

GENERAL

KAVASSU GROUT -EHS is composed on specially processed cements containing micro silica and additives. KAVASSU GROUT -EHS is supplied as a ready to use grout requiring addition of precise quantity of water at site @0.170 for pourable Consistency and 0.175 for flowable consistency. (4.25 Liters / 25kg grout). KAVASSU GROUT -EHS has excellent flow properties and will not shrink after placing and it is suitable for gap widths of between 15mm 65mm. Due to its selfleveling property, it is easily flows to reach the un reachable portion of the area for placing. It gives High early strength with pre plasticized action property.

ADVANTAGES

- Manufactured controlled, ready to use with only proportioned water.
- Shrinkage offset by expansion to ensure original volume is retained.
- Free flowing with self leveling grout properties.
- Easy to place and filling of under bases of machinery as well as bolt pockets.
- Chloride free to avoid further climatically attack.

USES

Bolt pocket and baseplate grouting of all equipments, heavy machineries, stanchion bases and all types of machinery in cement, textile, paper, steel industries, etc.

APPLICATION PROCEDURE

Bolt Pockets:

Depending on the size of the bolt pockets, 50-100% cleaned 10mm baby aggregates by weight of grout consumption may be incorporated to economize on grout and also to keep the heat of hydration low. When the thickness exceeds 100mm 150mm, our technical department may be contacted for advice. There must be at least 15 hours gap between bolt pocket and under base plate grouting sequences.

Base plates:

Leak proof strong form work must be provided to withstand operational stresses while grouting and all edges must be sealed with KAVASSU GROUT -EHS troweling consistency to arrest the grout from flowing out of form work. The sealed edges must be strong enough to resist

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Surface Preparation:

1. All contaminated surfaces must be cleaned thoroughly and all contaminations fully removed by chemical or mechanical methods.
2. All bolt pockets and under bases must be free from dust, laitance and of sound substrate. If needed, substrate must be hacked to provide extra mechanical key.
3. The pockets and under bases must be inundated with water to allow for full absorption for at least 24 hours. Just before the grouting is to commence, all water must be removed completely leaving the surface only damp.

Mixing:

Mechanical mixing using a grout mixer or concrete mixer is only recommended. No hand mixing is permitted.

1. Place 80% of the water required in a concrete mixer (100% water in case of a grout mixer).
2. Slowly add the required amount of KAVASSU GROUT -EHS while mixing continuously for 1 minute. Add balance quantity of water (20%) and mix for 3 to 5 min. max.

Placing:

The mixed grout must be placed immediately from one side only to avoid air pockets. Hydrostatic head of 150-250mm must be provided to enable the free flowing of grout under base plate. Grouting must be continuous until the cavity is completely filled to the desired level. All exposed areas must be restrained by covering with wooden plates or polythene sheets with sand sprinkled on top of the sheet.

Curing:

12 hours after grouting, all grouted areas must be cured with wet Hessian cloth (keep wet always) or water ponding wherever possible for a minimum 7 days period. Cleaning: All equipment and tools must be rinsed with water immediately after use and then dried.

STORAGE LIFE:

KAVASSU GROUT -EHS has a minimum shelf life of 6 months if stored in a dry enclosed area in unopened bags.

HANDLING PRECAUTIONS:

KAVASSU GROUT -EHS is non-hazardous. However inhalation of dust should be avoided while handling. In its wet state, if contact

YEILD

One pack of 25 Kg KAVASSU GROUT -EHS will yield approximately 13 litres of grout when mixed with specified quantity of water.

QUALITY ASSURANCE

As per ISO-9001 Certification.

PACKAGING

25 kg bags, 50 kg bags

APP. TEMPERATURE

May be applied in between 10°C - 35°C

EXPANSON (%BY VOLUME)

0.9 - 1 %

HEALTH & SAFETY

If swallowed seek medical advice.

POURABLE LIFE

25 Min after adding water.

DENSITY

2220kg/m³

TYPICAL STRENGTH DEVELOPMENT

The compressive strength of KAVASSU GROUT -EHS tested under restrained conditions using 7.07cm cubes.

Age in Days Compressive Strength in N/mm2

Age in Days	Compressive Strength in N/mm2	Pourable W/P	Flowable W/P
1 Day	25.00	0.16	0.17
3 Day	38.50		
7 Day	58.00		
28 Day	72.00		



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)