

SHALIMAR'S KAVASSU ANTI CARBO - 888

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.

HIGH BUILD ANTI-CARBONATION (ALIPHATIC TYPE) PAINT COATING

GENERAL

Protection from carbonation is absolutely essential not only to preserve and enhance life of concrete structures. but also to reduce future maintenance costs. Anti carbonation treatment is essential for all concrete structures such as buildings driveways roads, bridges, buildings etc.

Anti carbonation paint (Aliphatic Type) is a specially formulated coating /paint that gives protection against carbonation chloride attack, also water permeability. it protects concrete against carbonation and salts such as chlorides, and sulphates. it is designed as a decorative and protective coating for most concrete structures.

CARBONATION OF CONCRETE

A major factor in concrete decay is carbonation, caused by carbon dioxide (CO_2) in the atmosphere reducing the alkalinity of concrete. This in turn results in reinforcing steel becoming susceptible to attack by water and oxygen, causing corrosion of the steel and eventually spalling of the concrete, Sulphate from Vehicle exhausts and chlorides from de-icing salts also contribute to concrete degradation.

Carbon dioxide in the atmosphere reduces the alkalinity of concrete. The alkalinity of concrete is typically between pH12 and pH13, at these levels the highly alkaline nature of the concrete results in the formation of a passivation layer on the reinforcing bars, preventing corrosion. A drop in the level of alkalinity to a pH of below 9.5 eliminates the passivation and protection, making the concrete susceptible to attack by water and oxygen leading to corrosion of reinforcing steel and eventually spalling of the concrete.

Causes of decay in concrete:

- Weathering leading to erosion
- De-icing salts-chloride corrosion
- Water absorption leading to rusting of reinforcement.
- Insufficient concrete depth-corrosion of reinforcements.

TYPICAL USES

Used in new and existing concrete and masonry structures which require protection from water, carbon dioxide, oxides of nitrogen, chlorides, sulphates and UV radiation. **Examples:** car parks, commercial and industrial buildings, bridges, subways, high rise flats, etc.



ADVANTAGES

- * Easy to apply
- * Excellent weathering resistance
- * Single pack and easy to apply
- *Protects substrates from carbonation
- *Highly resistant to freeze /thaw cycling Elastic nature with crack bridging properties
- * Allows structure to breathe
- *Water based and non-toxic
- *Various colors can be obtained by adding suitable stainers, hence it can also be used for painting of external walls, etc in place of conventional exterior paints,
- * Excellent bonding to plasters and masonry surfaces
- *Range of colors available (to BS 4800 or RAL standards)

TECHNICAL DATA

Typical Properties	TEST PARAMETERS
Colors	White, light grey, (other colors on request)
Finish	Semi matt-matt finish
Application Rate	3-5 Sq.m./litre/coat (two coats recommended)
Volume Solids	30 to 50
Wet Film Thickness	Typically, 90-200 microns per coat (equivalent dry film thickness = 60-90 microns per coat)
Drying Time at 20°C (Will Vary With Temperature Air Movement etc.)	Touch Dry : 30 to 60 Minutes. Dry film: 240 Minutes.
Overcoating Interval	8-12 hours minimum (depending upon temp)
Carbon Dioxide Diffusion Coefficient	950000-10,00000
Elongation at Break	300% min @27°C



STORAGE

It may be stored for a year in manufacturer's sealed containers in dry conditions and out of direct sunlight.

SHELF LIFE

1 years date of manufacturing.

PACKING

5 kg., 10 kg & 20 kg.

QUALITY ASSURANCE

As per ISO - 9001:2015,
ISO - 14001:2015,
SO - 45001:2018

ENVIRONMENTAL HAZARD

NONE



ISO 14001:2015



ISO 9001:2015



ISO 45001:2018



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

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

CORRESPONDENCE ADDRESS :

B - 6, 7 & 8, Jaipur Tower, Opp. All India Radio, M.I.Road, Jaipur - 302001, Rajasthan (India).
Ph:+ 91-141-4025184, 2364228, 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.

Latest Revised on 01st January 2023 & supersedes all earlier revisions

MANUFACTURING PLANT LOCATION
JAIPUR

CUSTOMER CARE :
+91-9829065184, 8003993311, 8003993312

www.shalimartar.com