

## KAVASSU RAINSTA PATCH-EP



### 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 :

With the concept of convenient and quick road repairing, Kavassu Advanced Research & Development Laboratories evolved with its par excellence idea & innovation and introduced Kavassu Rainsta Patch-EP. The idea originated while working on the reality grounds that the potholes mostly developed in rainy seasons are usually water filled due to continual rains. There having the lengthy procedure of cleaning the pothole to dry and then repairing it by holding the traffic for major time is not a feasible and productive thing. So the necessity of an instant solution boosted our R&D for the invention of Rainsta Patch.

The product Kavassu Rainsta Patch is indeed simple as pouring the material out of the bag and tamping the product in the hole but what makes it unique is its specific qualities and usage. It works excellently in water filled potholes and assures strong compaction even if the applied during the ongoing heavy rainfall. It is one of its kind product worldwide. After five years of R&D and numerous successful trials, this product came into existence which is very effective, durable and having assured results. As a matter of fact, no matter how well the pavements are made, the surface cannot remain smooth forever.

The forces of nature, constant traffic movement, and pouring rain water in monsoons break down the road surface with age where potholes, cracks & craters appear. Quick repair of potholes or other pavement disintegration helps control further deterioration and expensive repair of the pavement. Without timely patching, water can enter the subgrade & cause larger and more serious pavement failures. Potholed roads and the consequent traffic snarls – always a major struggle for masses. Every year high number of fatalities happens and thousands of people die across the country due to adverse conditions of muddy, water filled potholes. Due to the poor conditions of roads even the life saving vehicles face troubles to commute which is a big failure of the social concerns. Thus, with the range of good quality of road repair solutions, we are taking a small initiative to serve the roads industry and the society as a whole.

### PRODUCT DESCRIPTION

Kavassu Rainsta Patch-EP is a new generation water curing technique which has overtaken the flexible pavements repair techniques by miles. Kavassu Rainsta Patch-EP is designed for Indian climatic conditions as our country face all kind of weather at a time in different states. Hot weather conditions in some parts, Moderate temperature in some states, Freezing atmosphere in few states and Rainy atmosphere in few states & few with heavy rainfall throughout year.

Kavassu Rainsta Patch-EP is in viscous liquid form with self compacting properties by which less efforts are required during compaction and rolling. Kavassu Rainsta Patch-EP is made from world class quality aggregates having aggregate impact value of less than 15% along with blending and processing with GTX technology base binder, tar, cytopathic resin and other additives to get excellent flow and coating over composite mix even after a boiling test of 4 hours. Kavassu Rainsta Patch-EP is in form of microscopic particles dispersed with quality aggregates which acts as a suspending medium.

Kavassu Rainsta Patch-EP is fluid enough to be applied in pothole filled with water during rains or may be after rains without any heating arrangements, the product viscosities are not affected by change of temperature like hot applied binders which get hard and tough immediately after cooling of coldmix at ambient temperature. Kavassu Rainsta Patch-EP best part is to provide a

self levelling kind of mix during temp. 10-45 degrees > as our country has different climatic conditions at a time.

It is necessary to keep the material fluid for better spreading over the pot hole filled with water so that it can reach every part of pot hole. It is having air dry process but it also works effectively with 50% faster drying by spraying of water over the treated pot hole before ramming. After spreading of powder additive and ramming with plate compacter traffic may be released immediately as immediate rain showers or traffics intensity cannot affect the laid product.

### ADVANTAGES

**Cold Applied Product:**

**Requires no Boilers, Pavers or Mechanical Rollers:**

**Requires No mixing plants at site:**

**Pre checked centralized plant manufactured product:**

**Specially Designed for wet surfaces:**

**Application during heavy rains is possible:**

**Cost Effective compared to old traditional treatments.**

**Unbreakable by traffic running in all weather condition.**

**Available in 50 Kg pack hence easy to handle.**

**Non Toxic in nature & doesn't affect Fish & Plant Life.**

**Self compacting kind of pre mix hence spread easily.**

**Can be manually rammed with plate vibrators.**

**Cured by water hence no need to worry about Rainwater.**

**Traffic can be released Instantly after application.**

## KAVASSU RAINSTA PATCH - EP

*Real  
Revolution*

### METHOD OF APPLICATION



Cleaning of Mud & Debris by moving steady water so that settled mud can come out easily



Pouring of Kavassu Rainsta Patch in Pothole gradually



Now Kavassu Rainsta Patch should be spread eventually to every corner of Pothole



Manual Ramming should be done to prepare the surface for mechanical ramming



Clean water should be sprayed over laid road patch to cure it rapidly.



1st layer of compaction should be given through Plate Vibrators



Filling of depressions and afterward powder additive should be sprayed over patch



Again compaction through plate vibrator is done to fix all voids



**TRAFFIC RELEASED  
INSTANTLY**

Traffic Released instantly after compaction of pot hole

### SPECIFIC USES

- (A) Specific to Extreme Wet Conditions.
- (B) Repairs to Potholes/ Road Patches.
- (C) For Both Flexible & Rigid Pavements.
- (D) Cold Surface Dressing of BC.
- (E) Cold Premix Carpeting.
- (F) In Level Crossings of Rails, Platforms etc.
- (G) Special Grades Available for Runway Repairs.

### COVERAGE

1 Sqm/ 25mm/ 50 Kg.

### SHELF LIFE

6 Months (Sealed Bags)

### PACKING

50 Kg. Bags

### QUALITY ASSURANCE

As per ISO 9001

### ENVIRONMENTAL HAZARD

NONE.

Manufactured By:

**SHALIMAR SEAL & TAR PRODUCTS PVT. LTD.**

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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.