

ShaliKote NES

Two Component Anti-Corrosive Chemical Resistant Novolac Based Epoxy



Description

ShaliKote NES is novolac based epoxy system for protection of steel / concrete structures against splash and spillage of corrosive chemicals and solvents at higher temperature. It is an excellent coating system for secondary containment, solvent storage, pump pads, trenches, bridges and other high exposure zones.

Characteristics

Colour	Gray / Reddish gray	Service Temp. - Dry	90 °C
Volume Solid, %	65 ± 2	Pot Life at 25 °C	45 mins 500 gm mix
Mixing Ratio	2:1 by volume	Drying Time	1 hr at 80% RH
Scratch Hardness	> 1.5 kg	Shore D, min	65
Spreading Rate	5 - 6.m ² /L - 100 micron DFT	Recommended DFT	250 Micron
		Re-coat Time	6 - 10 hrs

Application

- Excellent anti-corrosive coating for all steel and concrete structures exposed to acid / alkali fumes emanating at high temperature, like in Ammonium Sulphate / Annealing / Acid Plants.
- Leather processing units, fertilizer plants, are some of the areas where **ShaliKote-NES** will work efficiently.

Advantages

- Excellent resistance to acid and alkali vapours.
- Low VOC material.
- Bonds well at low temperature & humidity.
- Short re-coating time.

Application Methodology

- Remove dust, flakes, oil, grease or other foreign particles by jet or dry air and clean the surface to make it smooth before applying **ShaliKote NES**. Surface of steel must be prepared as per the NACE (National Anti-Corrosion Engineers) or SSPC (Steel Structure Protection Council) guidelines. For non immersion purpose near white surface is adequate while for immersion service white metal surface is desired. Surface of steel and concrete must be free from dust, oil, soap and greasy material.
- Prime the surface by ShaliPrime C for concrete surface and ShaliPrime Zn Ph for metal surface.
- Allow the primer to dry completely before applying **ShaliKote NES**.
- Stir drums of each component thoroughly for homogeneousness with hand drill type stirrer to ensure dispersal of any settled filler for about 5 minutes for a 15 L pack. Then mix component A and Component B in the ratio of 2 : 1 by volume and stir for homogeneousness at slow speed.
- Place the spiral blade at the bottom of the container before starting the mixer. This will help avoiding inducting air into the mass. Slowly move the stirrer head up to the surface while stirring. Do not remove the blade while still spinning. This procedure is continued for 5 minutes up and down to have a homogeneous mixing. Allow the mix 10 minutes, then stir again gently with a hand stirrer to ensure uniformity and begin application.
- The mix can be applied by brush or spray with medium or short nap squeegee rollers.

Health & Safety

- Use goggles and hand gloves during application.
- Clean hands with warm soap water after application.

Packing

Available in 4.5 L and 15 L unit pack with 2 components.

Storage

Keep in cool and dry place, under shed, away from heat.



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