

ShaliKote® T-12 & T-14

Bituminous Cold Applied Clay Type Emulsion



STP Limited

Description

ShaliKote® T-12 is a dispersion of selected grades of bitumen in water with inert and fibrous fillers. It remains plastic in order to accommodate movements of pipes or vessels, whose thermal insulation it protects.

ShaliKote® T-14, has a harder base than **ShaliKote® T-12**, making it more suitable in warmer conditions. It forms a tough film and provides the coated surface more resistance to damage.

ShaliKote® T-12 and **ShaliKote® T-14** has excellent vapour barrier properties and resists UIC (under insulation corrosion) and is used as undercoating below refractory linings.

Characteristics

| Properties | ShaliKote® T-12 | ShaliKote® T-14 |
|---|------------------------|------------------------|
| Colour | Brown to Chocolate | Brown to Chocolate |
| Consistency | Brushable / Trowelable | Brushable / Trowelable |
| Drying Time, hrs. | 48 | 48 |
| Theoretical Coverage, kg / m ² | 4 to 5 | 4.9 to 5.1 |
| Wet film thickness | 3 mm | 3 mm |
| Specific Gravity | 1.08 | 1.20 |
| Service Temperature, °C | - | 210 |
| Film Shrinkage, % | 50 to 53 | 50 to 53 |

*Depending upon surface condition.

Application

- **ShaliKote® T-12 & T-14** are recommended for protecting and keeping dry various types of thermal insulations to maintain their thermal efficiency.
- **ShaliKote® T-12 & T-14** gives a coating, which when set is joint-less and impervious to moisture. It also possesses plastic characteristics to resist cracking due to vibrations, temperature fluctuations and accidental shocks.

Advantages

- Excellent moisture barriers.
- Retains thermal efficiency during all weather conditions.
- Economical and effective insulation material.
- Solvent free and hence eco-friendly and non-toxic.

Application Methodology

- Clean the surface thoroughly to remove all dirt and loose particles by wire brush.
- Dilute **ShaliKote® T-12 / ShaliKote® T-14** from its pasty consistency to that of light consistency by adding water in the ratio of 1:1. Apply this diluted material on the roof surface as primer by soft brush.
- When the primed surface is dry and has turned black from its original brown colour, apply **ShaliKote® T-12 / ShaliKote® T-14** in two coats and allow the emulsion to break. It will turn black from its original brownish colour. The second coat should be applied only after 24 hr. of application of the first coat. The coating should be finished with a moist steel trowel to provide a smooth surface. Now, anchored type refractory lining can be directly installed on top of this.
- However, if required for adhesive based anchoring, when the emulsion has set in, spread coarse sand or crushed stone chips over the surface.
- Initially, the materials shall be plastic and can take indentation even by thumb pressure. It will, however, harden progressively and should be able to resist indentation in three to seven days.
- If desired, the protective coating may be finished with **SuperSilverShield®** in two coats.

- For insulation protection-
 - Use Magnesia / Clay type refractory coating over insulation material by trowel with smooth finish.
 - Allow the refractory coating to dry.
 - Apply primer using **ShaliKote® T-12 / ShaliKote® T-14** with 1:1 dilution in water.
 - Apply two coats of **ShaliKote® T-12 / ShaliKote® T-14** over dried primer coating after a gap of minimum 24 hours between two coats.
 - For protection and decorative purpose use **SuperSilverShield®** over dried **ShaliKote® T-12 / ShaliKote® T-14 @ 5 - 6 m² / L.**

Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 kg and 200 kg containers.

Storage

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

Shelf Life

12 months in original unopened sealed conditions.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation
- Road Surfacing
- Sealants and Additives
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- Epoxy Flooring
- Grouts / Admixtures
- RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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