



VITCON 2011 POLYKOTE **Multipurpose Acrylic Polymer Coating For Repairs & Waterproofing**

DESCRIPTION

VITCON 2011 POLYKOTE is a multifunctional acrylic polymer emulsion for enhancing properties of concrete, mortar and grout through better bonding, waterproofing and improvement in several other properties. VITCON 2011 POLYKOTE is used for permanently bonding plaster to ensure finish of exterior walls, bonding new concrete to damp / dry concrete, making mortar for repairing and for waterproofing.

TECHNICAL DATA

Appearance	Free flowing white liquid dries off to colourless
Specific Gravity	1.02 ± 0.02
Solid Content	36 ± 2
UV Resistant	Excellent
Bond Strength (Kg/cm ²)	8.0 - 8.5

USAGE

- Repair mortar for precast structural concrete members, toppings, patches and cracks.
- Toilet, sunken slabs, swimming pools, water tank, sewers, channels, aquariums and terrariums.
- Foundations, repairing walls, planters and concrete terraces, sealing and repair of asbestos panels, pipes and surfaces.
- Durable and aesthetic exterior finish with cement paint.
- Joining old concrete to new concrete.

ADVANTAGES

- Easy to use and excellent UV resistant.
- Improves bond strength, facilitating tough and hard wearing surfaces.
- Allows trapped vapour to escape thus preventing peeling / blistering.
- Reduces cracking through increased mortar flexural strength.
- Increases mortar tensile strength.
- Increases mortar wear resistance under rubber wheeled traffic.



APPLICATION METHODOLOGY

A. Surface Preparation

- Ensure that structure is at least 3 days old, sound and free from the dirt, soil, oil release agents, laitance and any other foreign materials which may impair the bond, penetration and overall performance of VITCON 2011 POLYKOTE. Do not etch with acid.
- Allow concrete surface to dry. Do not place slurry coat on standing water.
- Remove chemically any efflorescence, form oil, mould etc.
- Ensure to fill cracks / honeycombs / holes/ faulty construction joints with mortar made of VITCON 2011 POLYKOTE, cement and super fine sand in the ratio of 1 : 2 : 3 and allow it to touch dry.
- Pre-wet / dampen all prepared concrete surface before application of VITCON 2011 POLYKOTE. Surface must be damp during application. Do not allow standing water.

B. Waterproofing Compound

- Prepare a slurry coat in the ratio of 1: 2 (one part of VITCON 2011 POLYKOTE and two parts of cement) and mix them till obtaining homogeneous, lump free mixture with better brushable consistency and apply by brush on the surface. Apply two or more coats depending on the surface condition.
- Ensure time interval of 5-6 hrs between two coats.
- After 6 hrs of air drying the coated surface should be cured by means of spraying water for next 24 hrs. Do not leave coated surface dry during this period. Do not allow the coated surface to be submerged under water during this period.
- Allow to dry for 24 hrs after moist curing. Do not apply water through a hose or pressurized nozzle.
- **Coverage / Dosage** 2.5 kg/sqm for approx 1 mm thickness (2 coats)

C. Bonding Agent

- Clean the old concrete surface, removing all dirt and soil etc.
- Bond coat with a mixing ratio of 1:2 (one part of VITCON 2011 POLYKOTE and two parts of cement)
- The applied bonding agent should be in tacky condition before topping with new concrete.
- **Coverage / Dosage** 2.5 kg/sqm for approx 1 mm thickness (2 coats)



D. Repair Mortar

- Surface should be clean, removing all dirt and soil.
- Bond coat with a mixing ratio of 1:2 (one part of VITCON 2011 POLYKOTE and two parts of cement)
- Repair Mortar with a mixing ratio of 1:2:5 (one part of VITCON 2011 POLYKOTE, two parts of cement and five parts of sand) applied in specified area.
- After the application of Repair Mortar to keep the surface moist for 12-24 hrs.
- **Coverage / Dosage** 2.25 kg/sqm for approx 2 mm thickness (1 coat)

CLEANING & MAINTENANCE

- Clean tools and equipment with water before the material hardens.

PRECAUTION

- Always take care that after coating protection i.e. either 25 mm or at least 15 mm.

HEALTH & SAFETY

- Use mask and hand gloves during application.
- Clean hands with soap water after application.
- Product should not come in contact with the skin, eye or be swallowed.
- In case of contact with skin, rinse with plenty of clean water then cleanse with soap and water. Seek medical advice if irritation persists.
- In case of contact with eye, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

PACKAGING

Available in 20 kg container. Bulk packing is available on request.

STORAGE

Must be stored in original packing at ambient temperature, dry place under shed. The containers must be protected from direct sunlight. The best use before end date of each batch appears on the product label.

SHELF LIFE

12 months from the date of manufacture in the original sealed container at ambient temperature.

