

Technical Data Sheet Smart Master Coat



PRODUCT OVERVIEW

Smart Master Coat is a polymer based chemical Coating with dual features of water & heat proofing which can be used in various areas from foundation to the terrace of the building. It can be universally applied on many surfaces like **cement, wood, metals, plastics** etc. Advance technology has been applied to make "Smart" material so as to ensure that buildings are safe, energy efficient & have enhanced life.

Environment Friendly & Satisfies the parameter of Green Products.

UV/IR reflectivity more than 85% (SRI 96)

Very low VOC (8.9 gm/kg)

No formaldehyde

Heavy metals not detectable or just traces well below the permissible limits

Features :-

Water Proofing
Solar Heat Proofing
Strong Adhesion
High Wear Resistant
Anti Fungal / Microbial

- » For heat resistance and thermal insulation coating on walls & terrace, exteriors where sun rays falls directly on the surface.
- » For heat & water proofing on terrace as per the 7 layer membrane procedure.
- » For water proofing, it should be used before laying tiles/stones.
- » For application in sunken area of toilets & bathrooms.
- » For application in underground & water tanks.
- » For Application on Foundation.

TECHNICAL SPECIFICATIONS

Properties : Water Soluble Before Drying, Air Drying And Curing, Single Component

Viscosity : 21.5 Pa.S; **Colour :** White; **Specific Gravity 20°C :** 1.56; **Solid Content By Weight :** Approx 59.42%;

Complete Curing : 72 Hours @ 25°C; **Water Absorption (After Cure) :** Negligible; **Water Permeability :** Negligible

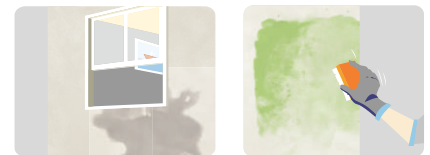
Adhesion Strength : Excellent; **Acid, Alkaline & Saline resistant :** Excellent; **Softening Point :** 90°C;

Storage & Pot Life : 36 months (Store Between 10°C to 35°C); **Coverage Area: 18 to 22 Sq Ft (3 Coats)**

Note : The Product material can be renewed by the company for the betterment at anytime without any notice/information.

SURFACE PREPARATION

- Clean the Surface thoroughly, as it should be free from dust, oil, etc.
- If there are any Cracks treat them with **Crack Pack Master** as per the procedure to strengthen water proofing
- The surface should have proper leveling & slope.
- Remove existing Paint Layer/ Coating before applying "**Smart Master Coat**"
- It is recommended to use wire brush followed by sanding with emery.
- Water wash the surface before "**Smart Master Coat**" Application.



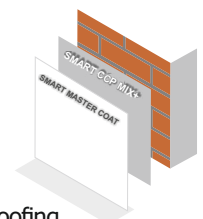
APPLICATION PROCEDURES

RECOMMENDED TYPE OF PRIMER

For proper surface bonding it is recommended to use **CCP mix+** as a base coat in proper ratio
(Mix 1.5 kg Cement + 400 ml Water) + (1 ltr CCP mix+) = 2 COATS for 35 Sqft.

PROCESS OF APPLYING ON DPC / WALL / TERRACE

- » Prepare & apply **Smart Master Coat** after primer by mixing 25% water.
- » Wait for min 1- 2 hour @ 28°C - 30°C (Depending upon the climatic situation to get the Coat Cured fully).
- » Apply second coat by mixing 10% water in **Smart Master Coat**.
- » The original surface should not reflect or be visible after the second coat.
- » Wait for 2 hours and apply the third coat of **Smart Master Coat** by mixing 10% water to ensure 100% water proofing.
- » Wait for 1 hour after the 3rd coat and then apply 2 coats of Nano Top Coat for high repellency & tile finish.



PROCESS OF APPLYING ON SINTEX TANK

- » Prepare the area of tank : scrub the tank surface with 80 no. emery paper & then apply 3 regular coats of "**Smart Master Coat**" (10% dilution with water).
- » It is recommended to coat all visible pipes connected with the tank.
- » If possible please insert **Smart Master Coat** coated membrane under tank.

PROCESS OF APPLYING FOR DAMPNES/ WATER SALINITY

- » The plaster of damp wall has to be removed upto 12-13 mm.
- » Apply 2 or 3 base coat of **Smart CCP Mix**, Cement & Water (Mix 1.5 kg cement+400ml water+1ltr CCP mix for 35 sqft.)
- » Prepare & apply **Smart Master Coat** by mixing 25% water (0.5 litre in 2kg **Smart Master Coat**)
- » Wait for min 1- 2 hour (Depending upon the climatic situation to get the coat fully cured)
- » Apply 2nd coat by mixing 25% water as above.
- » Apply 3rd coat immediately after the 2nd coat by mixing same level % of water.
- » Sprinkle sufficient sand while applying 3rd coat.
- » Now the plastering should be done by adding 5% **Smart CCP Mix** and 2% Smart Morta Care in the water required to prepare the cement mixture for plaster.
- » Wait till the plastered wall is fully cured which normally takes 7 days.
- » Apply 3 subsequent coats of **Smart Master Coat** one above the other, after the wall is fully cured, for permanent damp free walls.

PROCESS OF APPLYING FOR CRACK BRIDGING (FIBER RE-ENFORCEMENT TECHNOLOGY)

- » Apply base coat of **Smart CCP Mix+** (1ltr.) + Cement (1.5kg.) + Water (400ml.) as 1st coat. (This qty is required for 35 sqft surface area.)
 - » Spread the non-woven polymer membrane on the surface and press the same with iron blade and simultaneously apply one coat of the cement CCP solution as mentioned above.
 - » Wait for 6 hours after pasting th polymer, as above.
 - » Apply 2 coats of **Smart Master Coat** on the surface after pasting and coating of membrane as above.
 - » Apply 2 coats of Nano-Technology based super water repellent Nano Top Coat.
- It can be applied over RCC/Stone Slab/Tin Shed/ACC sheet/Lime Terrace/PVC Tank.**

Product Mixing Ratio (by volume)

Single pack

Thinner / Cleaning Solvent

Water

Caution

The applicators and operators must be trained, experienced and have the understanding and equipment to mix/stir and apply the coatings correctly and according to Nushar technical protocol. Applicators and operators shall use appropriate personal protection when using these products.

Health and safety

Please study the safety precautions mentioned on the container. Apply the products under well ventilated conditions. Ensure that spray mist is not inhaled and skin contact with the product should be avoided. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. If the eyes feel any burning sensation then they should be flushed with ample water and the Doctor should be immediately consulted.

Note: We do not undertake any legal obligation for the product as its proper application is equally important. We accept no legal responsibility for the work done even by trained applicators as we have no control over what they are actually doing on the site. The consumer has to first satisfy himself/herself by observing work done by us & by visiting our display gallery.

All subject to the jurisdiction of courts in Jodhpur, Rajasthan.