



*Manufacturing & Application under one roof*

## **Water proofing system based on nano technology & multi ceramic technology**



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insulation & decoration  
treatment

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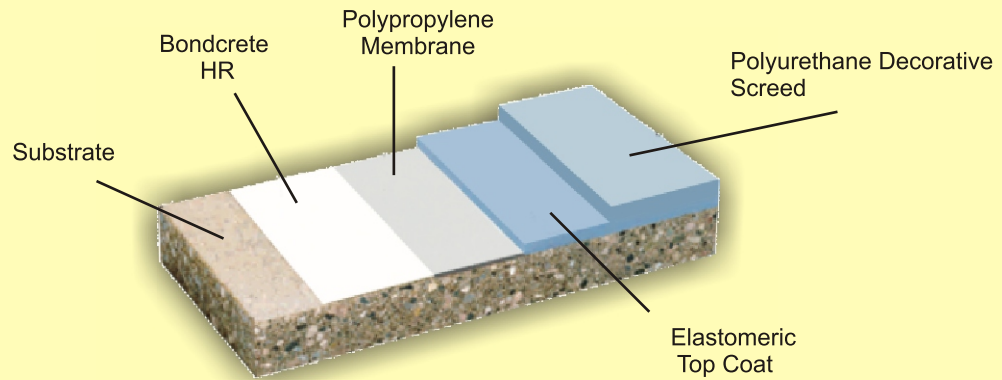


## Waterproofing System Using Nano Technology & Multi Ceramic Technology

Terraces & Parapet Walls

Total system gives high water resistance vapour permeable, resistance to moisture, uv stable, heat resistance.

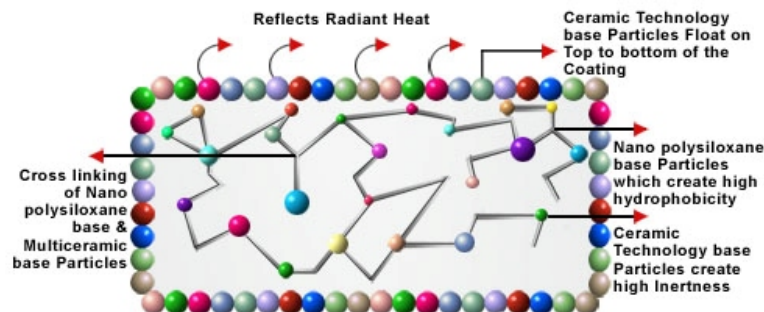
Bondcrete HR is polysiloxane base coating acts as a base coat and elastobond is top coat which eliminates conventional brick bat coba system also eliminates replastering of parapet and exterior damp walls.



Bondcrete HR, Polysiloxane base coating all nanoparticles penetrate into cracks at the same time multiceramic technology base particles float on the top to bottom of the coating which creates water resistance and hydrophobicity .

Due to combination of nano and multiceramic technology product gives high performance at the same times gives high dft with high coverage.

### Crosssection of coating system

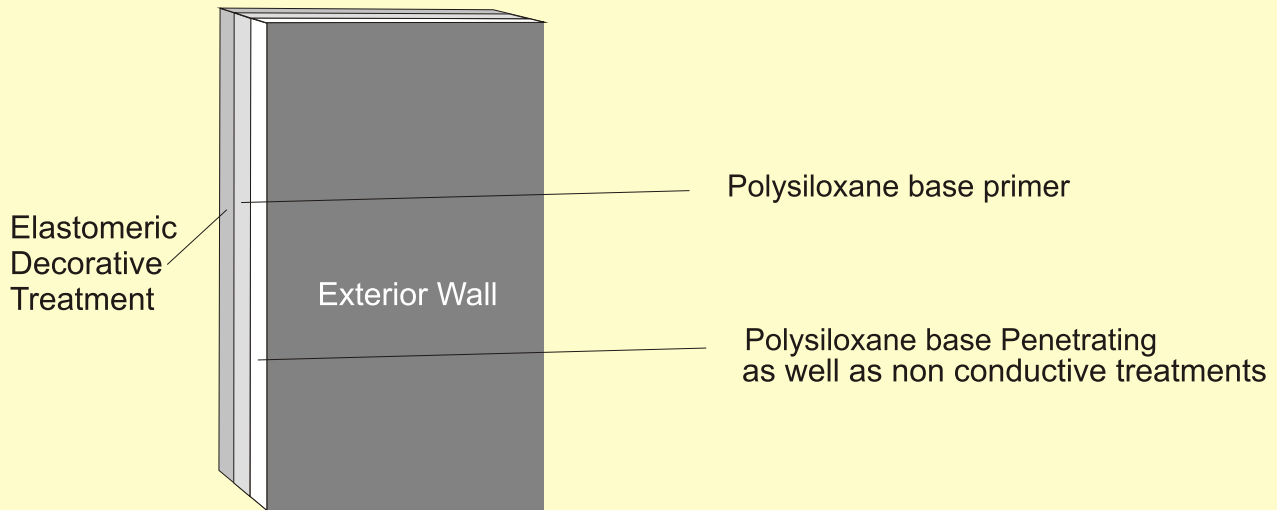


With the help of nanotechnology and multiceramic technology we creates high performance waterproofing parameters are as follows :

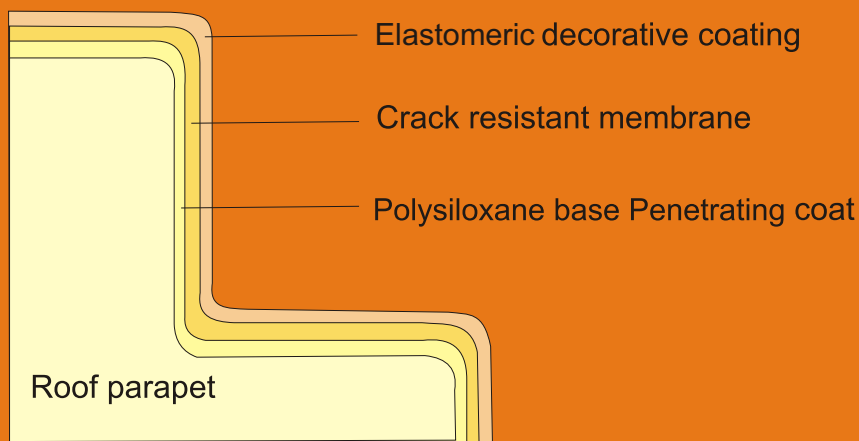
- Water repellent.
- Water impermeability.
- Water vapour permeability.
- Hydrophobicity.
- Uv stability.
- Heat resistance.
- High inertness.
- High penetration.

Due to nanotechnology product gives high coverage as well as high dft because nanoparticles covers high surface area , when nanoparticle reacts with multiceramic particles both the particles crosslink with each other and when it dries cross link network expand 100 times and we get high dft and high coverage

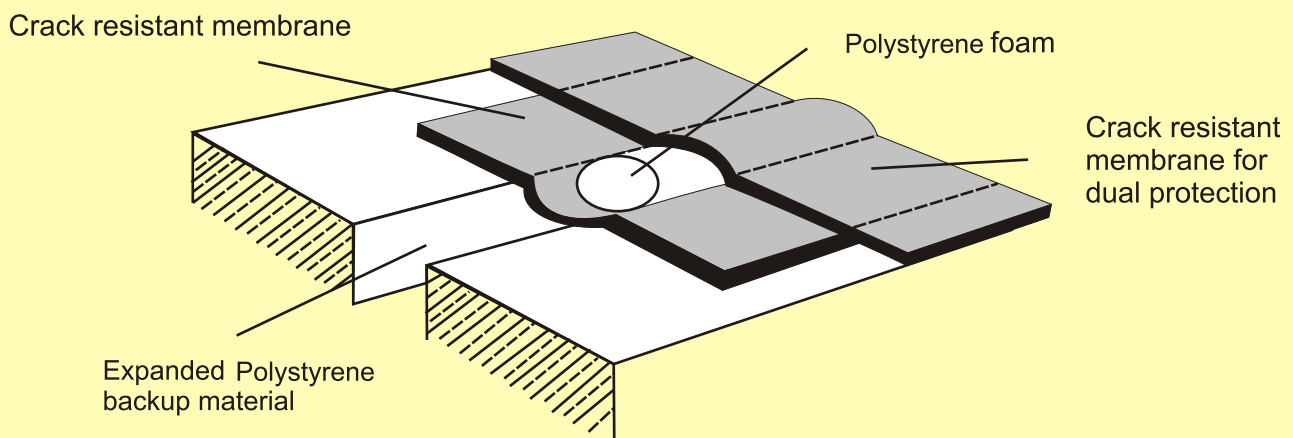
### Exterior wall waterproofing system



### Roof Parapet & Window Chazza Water Proofing System



### Expansion Joint Water Proofing System



## SMAC™ BONDCRETE HR (HEAT RESISTANCE POLYSILOXANE COATING)

### Description :

SMAC™ BONDCRETE HR is polysiloxane modified heat resistance waterproof coating. It is nano technology and multi ceramic technology base high performance surface coating.



### Working principles :

When SMAC™ BONDCRETE HR is applied on the surface nano technology base polysiloxane reacts with cementitious substrate and all nanoparticles penetrate into capillary and forms hydrophobicity.

Multi ceramic technology base particles remains active on top and bottom of the coating which is 100% inert and nonconductive material hence it gives high water resistance as well as heat resistance property.

### Special Application Property :

When applied on cracks it penetrates into cracks and no crack filling is required.

### Application Procedure :

First remove all loose particles then clean the surface by water to remove oil, grease and other loose materials contaminated on the surface then wet the surface with water, then apply two coats of it diluted with 60% water.

**Coverage :** 30 sq.ft in one coat

### Application Areas :

All cementitious surface and china chips. e.g. parapet wall, new terrace slab, old terrace surface (on ips, tiles, china mosaic), sunken slab, damp wall, new toilet bathroom concrete surface, old toilet bathroom mineral substrate.

**Packing :** 20 kg

## ELASTOBOND

### Description:

SMAC™ ELASTOBOND is elastomeric heat reflective coating made from polyurethane, acrylic and silicon emulsion modified with multicermic and nano technology.

### Properties:

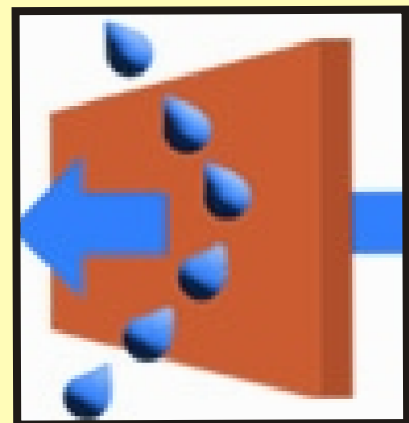
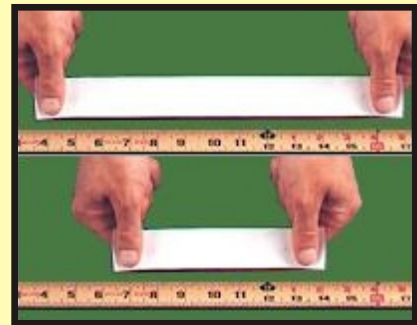
- Elastomeric.
- Heat reflective.
- Water resistance.
- Water and co2 vapour permeable.
- Sulphate and chloride resistance.
- Anti fungus.
- Breathable.
- Water Repellent.

### Technical data:

- Base: polyurethane acrylic silicon emulsion.
- Solid content: 50-52%.
- Colour: White or as per customer requirement.
- Modifier: multi ceramic and nano technology base materials.
- Viscosity: 250-500 cps.
- Ph: 8.5 to 9.
- Flexibility: 300%.
- DFT in two coat: 1000 microns.
- Recommended coat: two.

### Application Areas:

Coating on cementitious and mineral substrate where durability of water proofing is desired like flat roof, slopping roof, exterior wall, parapet wall and A.C. sheets.



## Elastoprimer

### Description :

SMAC™ ELASTOPRIMER is highly concentrated polysiloxane modified primer for cementitious and mineral substrate which forms medium hard and elastomeric film.

### Advantages :

- Eco friendly (being water base).
- Water resistance.
- Reduces consumption of putty and paint.
- High coverage.
- Reduces consumption of waterproof coating.
- Alkali resistance.

### Application Areas :

Cementitious and mineral substrate before applying putty and paint.

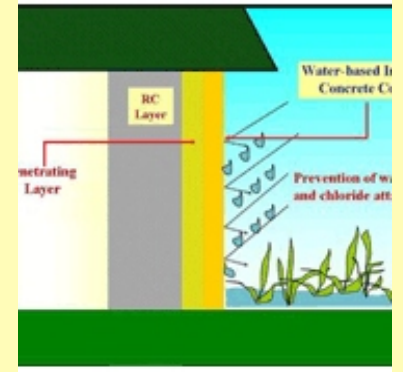
### Special Application Property :

When SMAC™ ELASTOPRIMER is applied before waterproof coating then it improves waterproofing properties. Due to higher percentage of polysiloxane it penetrates into porous substrate hence blocks all capillaries and reduces consumption of waterproof coating and improves coverage of waterproof coating.

### Mixing Ratio :

1 Part of SMAC™ ELASTOPRIMER : 1 Part of Water.

**Packing :** 20 kg, 50 kg.



## ELASTOBOND EX (ECOFRIENDLY EXTERIOR PAINT)

### Description:

ELASTOBOND EX is self crosslink 100 % pure acylic base exterior paint which modified with nano polysiloxane polymer to increase exterior durability.

### Properties:

Ecofriendly  
Waterproof  
Self crosslinking  
Good outdoor durability  
Excellent dirt pickup resistance  
Alkali resistance  
High bonding strength than conventional paint  
Antifungus

**Coverage :** 150 sq.ft in one coat

**Thinning :** by portable water

**Priming :** use elastoprimer

**Packing :** 20 kg

**Shelf life :** 12 months



## BONDCRETE RP (READYMIX REPAIR MORTAR)

### Description:

BONDCRETE RP is fibre reinforced inorganic polymer modified repair mortar which requires only addition of water, which gives permanent solution for structural repairs.

### Application Area:

structural repairs of column, beam and slab.

It can be used for patch work repairs of plaster.  
It has flexible application property means we can make thin bed as well as thick bed mortars.

**Properties:**

crack resistant  
Increases compressive strength flexural strength  
creates water resistant mortar  
alkali resistance

**Mixing**

For 25 kg bondcrete rp mix 7.5 ltr portable water

**Coverage :** for 1/2" thickness 15 sq.ft per 25 kg

**BONDCRETE AR  
(ACRYLIC POLYMER FOR CEMENT MODIFICATION)**

**Description:**

BONDCRETE AR is hyperbranch acrylic polymer use as a modifier for cement base application.

**Advantages:**

Improves compressive & bond strength  
Increases tensile strength  
Reduces water permeability.

**APPLICATION AREAS:**

Repair mortar  
Bonding old & new concrete  
Bonding agent for plastering on fresh concrete

**APPLICATION PROCEDURE:**

**REPAIR MORTAR**

5 kg cement : 15kg part quartz sand : 1 ltr bondcrete ar  
add 800 to 1000ml water mix properly and apply on bond coat

**BOND COAT :**

1 kg cement : 1kg bond crete ar

**PACKING :** 10 KG ,20 KG ,50 KG

**SHELF LIFE :** 12 months in sealed container

**SM ELASTOCOAT  
(ACRYLIC POLYMER FOR WATERPROOFING)**

**Description:**

SM ELASTOCOAT is specially modified acrylic polymer for waterproofing application Which forms tough and elastomeric film .

**Uses:**

Used for flexible waterproofing application  
It can be used for damp wall protective coating.

**APPLICATION AREAS:**

Old & new concrete slab  
Water tank, Toilet bathroom, Terrace and Parapet wall

**APPLICATION PROCEDURE:**

1 part cement : 1 part sm elastocoat  
The above proportion to be apply by brush .

**PACKING :** 10 KG ,20 KG ,50 KG

**SHELF LIFE :** 12 months in sealed container

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