

DA 'CRETETM 'SealKoat -3K' – Self-levelling, High Strength, Water Repellent, Tough, Top Quality but Affordable- 3 component PU System for rooftop waterproofing. Can be applied on both old and new roofs to provide water proofing.

ABOUT

Solvent free, environment friendly, high quality, high strength, water repellent and highly durable waterproofing system to provide 1.5 to 2.0 mm thick, self-levelling, easy to apply pre-packed 3-component Poly Urethane system.

APPLICATIONS

Seamless Waterproofing of all flat concrete surfaces like slabs, rooftops, podiums etc. Best suited when the building is old - as the screed, which is intact over the slab need not be removed before application.

USAGE INSTRUCTIONS



Treat Paper Joints

Coving etc has to be done before applying Da 'Crete 'SealKoat'. On Covings and vertical elements, Da 'Crete PU Putty shall be used.



No Rain in +/- 24 hours

Ensure the floor is dry for application and No Rain forecast in next 24 hours of application.

BENEFITS

Easy to Apply

Self-levelling grade. Easy to mix and apply. No special applicators or machines required.



Bonds with Concrete

Penetrates into and forms excellent bond with concrete Accommodates expansion movement of concrete etc.



Water repellence

PU exhibits excellent water repellence making the roof impervious.



Impact & Scratch resistant

After 7-28 days, the treated roof resists impact loads and scratches without punctures.



Roof Gardening

High penetration to tree-root penetration. Best for roof gardens.

Top Quality but Affordable

Save money on intermittent repairs. Damaged portion can be relaid with 'SealKoat' again.





Remove loose dust

Wipe of all the loose dust and foreign matter from the surface either manually or mechanically. Recommend buffing machine to remove the surface dirt / grease etc.



Apply Da 'Crete E-Prime for best results. Mix Part-A & Part-B and apply it with a nylon roller to form a thin film. Make sure primer is fully dry before applying SealKoat. For more information, please refer to our Da 'Crete E-Prime datasheet.



Add Part-A

Take a 20 liter clean, dry bucket. Empty the contents of Part-A (liquid) completely into the bucket. Part mixing is not allowed.



Add Part-B, Mix

Use electrically operated Helix Spiral Rod mixer with 500 – 600 RPM Mixer (electric paint mixer). Add Part-B (powder) into the bucket and mix thoroughly till you get a uniform-consistency.



Add Part-C, Mix

Add Part-C (liquid) into the bucket and mix thoroughly for 1 minute using the helix mixer to obtain uniform and flowing final product.



Pour

Empty the contents completely on the roof, which is primed and ready for application.



Spread - Use Notch Trowel

Use 3 mm notch trowel to spread contents of the mix. 3mm notch trowel gives 1.5 mm thickness. Higher size trowels may be used to increase thickness.

Use Spike Roller

Remove entrapped air from the spread 'SealKoat' matrix by using a spike roller. The above process should be completed within 15 minutes of mixing.

Repeat Mixing - Rolling

Repeat the above steps simultaneously to fill all the intended area. No worries with cold joints when using 'SealKoat' since it bonds old PU/concrete.

Termination

As far as possible terminate by covering the full roof till coving etc. Where not possible, a masking tape may be used to mark the end in a straight line before spreading 'SealKoat'.

TYPICAL PROPERTIES



Elongation	Up to 200%
Compressive	> 50 MPa
Strength	
Adhesive strength to	Concrete
concrete	failure
Coefficient of	3.4 x 10 ^{-5 0} C ⁻¹
Thermal expansion	
Flexural Strength	> 13 MPa

Samples cured for 28 days under controlled laboratory conditions. Results from field samples may vary depending on actual site conditions.



PACK SIZE

Below are the details of pack:

Standard Pack	
Part-A (liquid)	4.90 Kg
Part-B (powder)	5.60 Kg
Part-C (liquid)	4.30 Kg
Total	14.80 Kg
Coverage*	6.5 Sq.m.

*Actual coverage may vary depending on the Substrate finish, actual average thickness and wastage.

DA 'CRETE PU PUTTY

Technical Data Sheet

Da 'Crete PU Putty is specially formulated with similar properties as 'SealKoat' but offers putty like consistency on mixing, which is used as putty on coving, vertical and other anti-gravity applications. It is recommended that putty is used in the above elements while 'SealKoat' is applied on slabs etc.

EXPOSED 'SEALKOAT'

'SealKoat' and 'PU Putty' will change color overtime when exposed to Sun. However, it does not affect performance.

PPE NEEDED



Safety Spiked Shoe

Should there be a need to walk over a freshly laid 'SealKoat' for levelling / adjustments etc., these shoes come handy.



Overall Apron, Gloves

Clothes / Shoes will stain due to PU splashes and cannot be removed. Always use aprons / gloves. Splashes remain stuck on naked skin for about a week.



Safety Eye Goggles

Wear eye protection to avoid splashes. If splashed into eyes, wash eyes thoroughly with water and seek medical attention, if irritation persists.

CAUTION

If the concrete substrate is poorly prepared without clearing dirt / grease etc, or SealKoat is applied before Primer is completely dry, debonding can be observed in less than 48 hours of application. Such debonding is usually observed in pockets. In such cases, the debonded 'Sealkoat' has to be chiseled out, substrate wire-brushed, primed and relaid with fresh SealKoat. Fresh 'Sealkoat' bonds with old 'SealKoat' due to its unique cross linking nature.

The information given is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification. Since the conditions of use are beyond our control, we do not warrant the results to be obtained.

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