

AMITEK NANO COATINGS (FOR FLOOR, WALLS AND CEILINGS)

Product Features

This is a resin mix cementitious decorative surface coating applied in min 3 layers and with total thickness of the system not exceeding 2.5-3 mm. The surface is typically finished off by sanding or abrasive brushing and then sealing. Available in numerous base colours options, the AMITEK NanoTopping is ideal for renovation applications where a quick turnaround time and minimal damages to existing property are crucial. They are also suitable for seamless surfaces with concrete finish.

Key Features Includes



Thin Layer Application
Environment friendly



Seamless Application
No joints



Quick Application
Fast completion of project



Lower Dimensional Shrinkage
Fewer cracks in concrete



Non VOC Product



High Adhesion to Substrate
Less peeling off | High bonding



Extensively Tested at Factory
Quality assured



Green Product



Low Requirement of Curing
Less supervision required at sit



Water Repellence
Moisture ingress & stain protection

Application

Suitable for residential, commercial, indoor & outdoor floors, walls, stairs, counter tops, furniture.
Please specify and confirm application before ordering.
Custom modified products are also suitable and recommended for swimming pools, water bodies etc.

Appearance

Supplied in two parts
Part A- Mortar powder
Part B- Concentrated liquid

Specifications

Max. Aggregate Size	Compressive Strength
0.5 mm	>30 N/mm ²
Flexure Strength	Bulk Density
>9 N/mm ²	~1100 kg/m ³
Dry Density	Output/Coverage
~1600 kg/m ³	~3-4 kg/m ²
Water Requirement	
14%	
Work Time	
Minimum of 30 minutes. Will be less when ambient temperatures exceed 28 °C or humidity is less than 50%	

Application Thickness

2.5 to 3 mm

Base Surface Preparation

The concrete base or other surface must be clean, free of dust and grease.

The base must be consistent, without loose particles and disaggregation.

Damp the surface with potable water and apply the primer to damp surface. If steel is exposed, do not damp the reinforcement steel.

The foundation should have a minimum tensile strength of 1.5 Mpa.

The base must be visually dry. Cracks in the base should be repaired. Weak bases must be removed or restored.

The foundation should be ground or blasted and then aspirated.

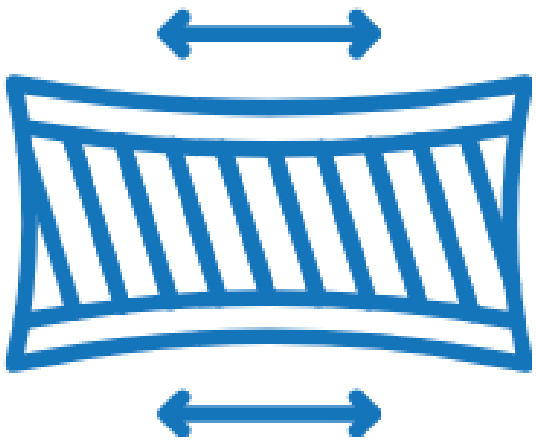
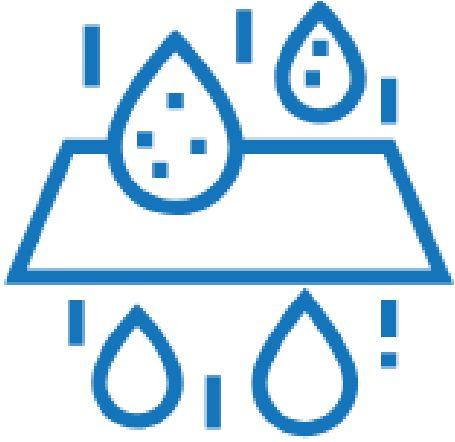
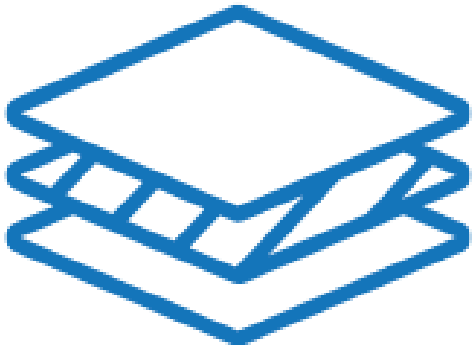
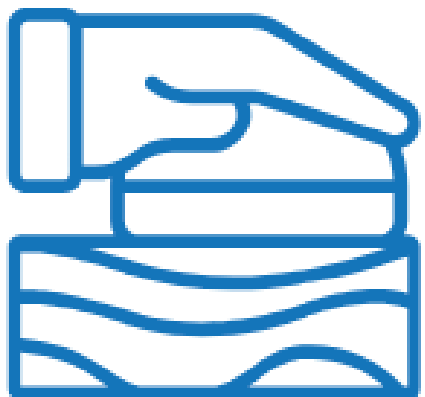
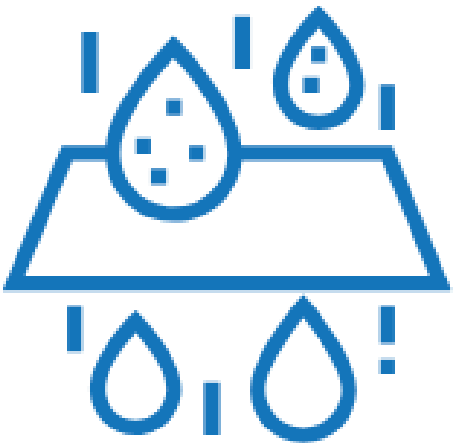
Use suitable Amitek Nano Topping Primer.

After drying of the primer, the surface should be vacuumed to remove loose sand particles if any.

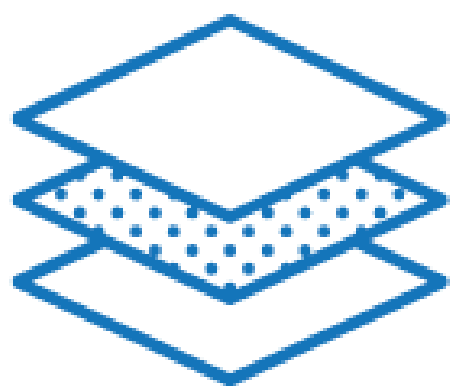
Foam, special tapes or other flexible separators should be used to avoid direct contact with the AMITEK NANO TOPPING material.

Application/Installation Method

Nano Toping System for Floor

<div>1</div> <div></div>	<div>Compressive Strength of concrete minimum 25MPa.</div> <div>Surface tensile strength should be minimum 1.5MPa All joints should be treated by PU sealant.</div> <div>Concrete surface profile needed CSP 3 to 5</div> <div>Moisture level should be $\leq 5\%$ Rh < 75%</div>
<div>2</div> <div></div>	<div>First apply single component primer Place The Mesh (Optional) Drying Time 4 to 6 Hours</div>
<div>3</div> <div></div>	<div>Then apply 4 component micro cement (latex emulsion + coarse sand + water + pigment) Mixing ratio 5:15:1 Drying time 4 to 6 hours</div> <div>*Pigment will come in measured box per set.</div>
<div>4</div> <div></div>	<div>After drying the base coat use 80-120 mash paper for sanding</div>
<div>5</div> <div></div>	<div>Apply single component primer before application of top coat (Optional) Drying time 6 hours</div>

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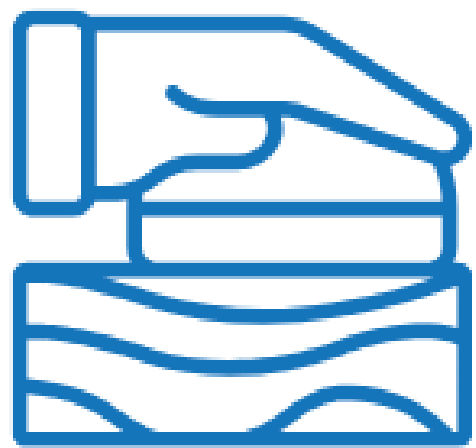


**Then again apply 4 Comp micro cement
(latex emulsion + coarse sand + water + pigment)**

Mixing Ratio 5:15:1
Drying Time 4 to 6 Hours

*Pigment will come in measured box per set.

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**After drying the top coat use 160-180 mash paper for
sanding and polishing**

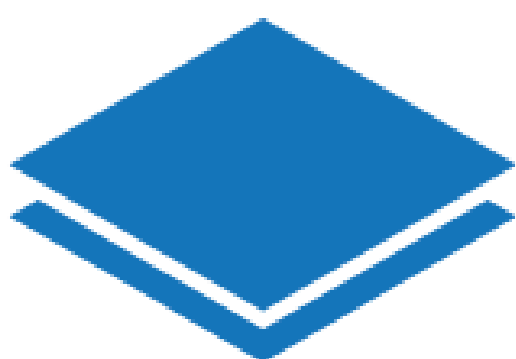
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**Apply Single Component Primer Before Application of
Finish Coat.**

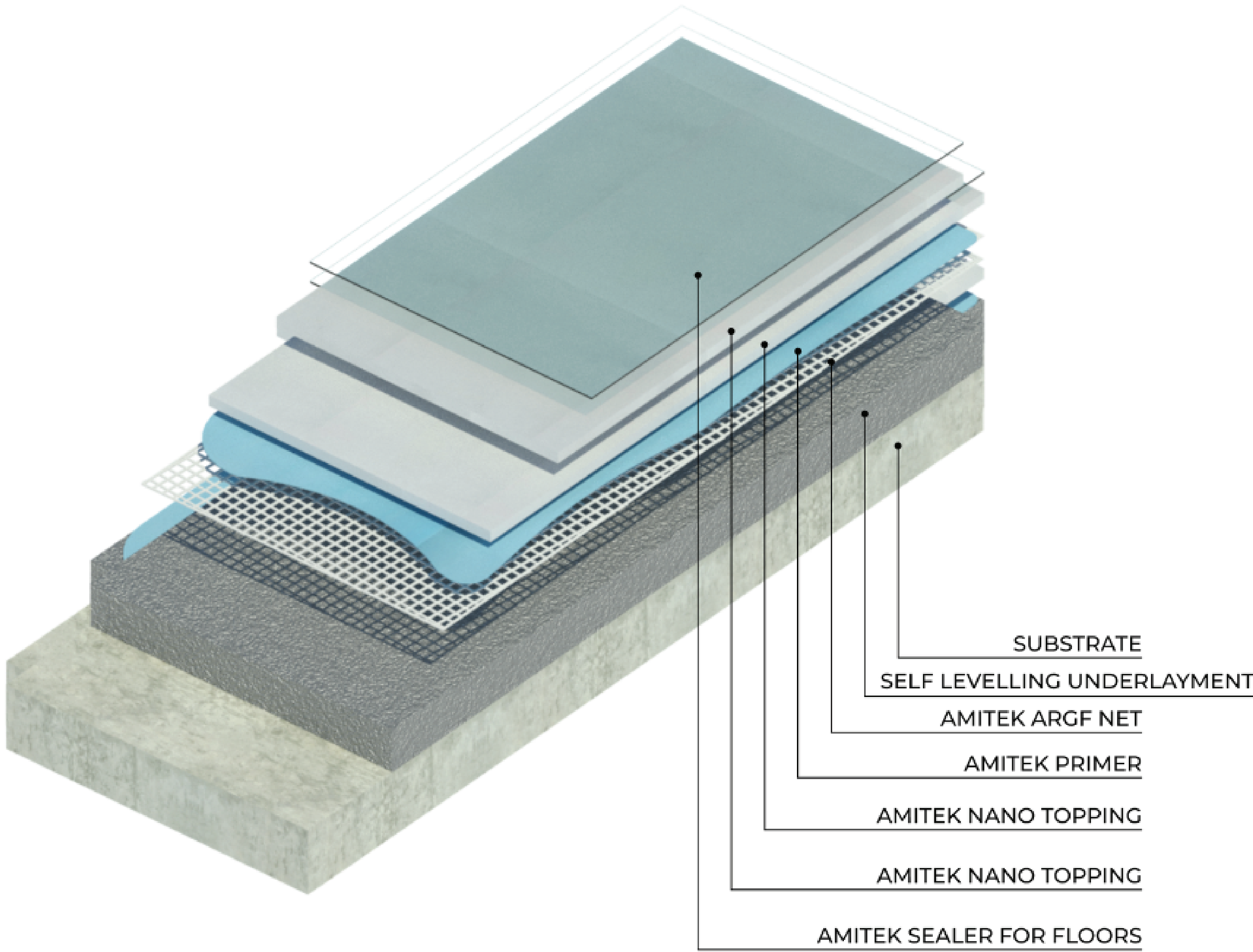
Drying Time 4 to 6 Hours

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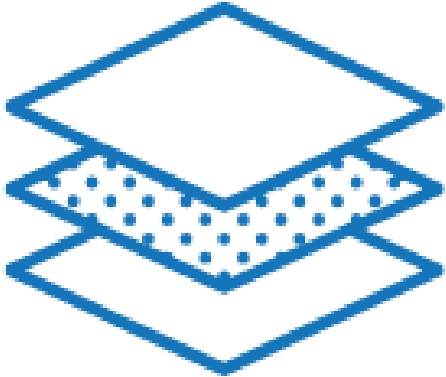


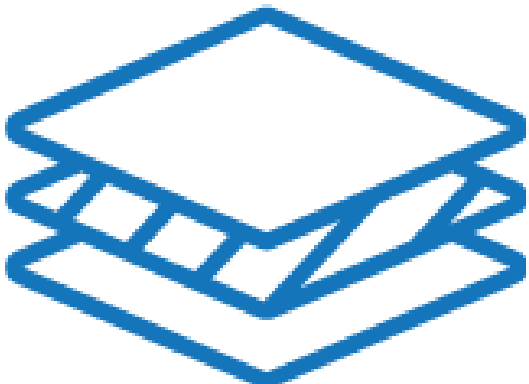
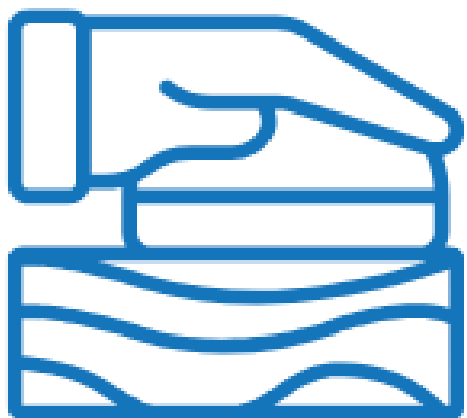



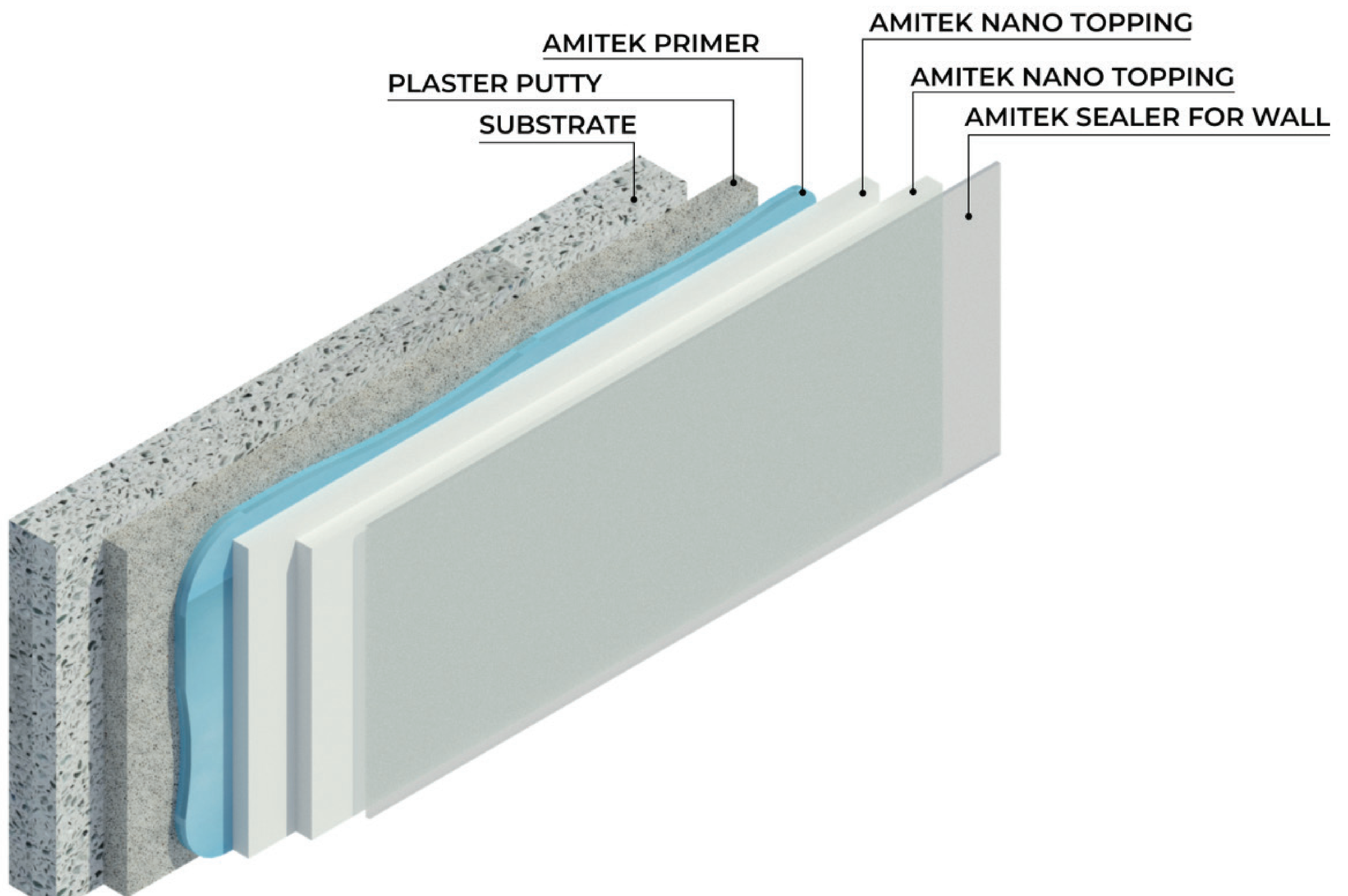
**After the polishing apply two coats of two Component
Finish Coat**

(Emulation Additive + Curing agent) 4:1
Drying Time 6 to 8 Hours



Nano Toping System for Wall

<div>1</div> <div></div>	<div>First hang the fiber mesh (Optional), then apply the single comp primer</div> <div>Drying time 4 to 6 hours</div>
<div>2</div> <div></div>	<div>Then apply 4 component micro cement (latex emulsion + coarse sand + water + pigment)</div> <div>Mixing ratio 5:12:1</div> <div>Drying time 4 to 6 hours</div> <div>*Pigment will come in measured box per set.</div>
<div>3</div> <div></div>	<div>After drying the base coat use 180 mash paper for sanding</div>
<div>4</div> <div></div>	<div>Apply primer twice before application of the top coat (OPTIONAL)</div> <div>Drying time 4 to 6 hours</div>
<div>5</div> <div></div>	<div>Then apply 4 component micro cement (latex emulsion + coarse sand + water + pigment)</div> <div>Mixing ratio 5:12:1</div> <div>Drying time 4 to 6 hours</div> <div>*Pigment will come in measured box per set.</div>
<div>6</div> <div></div>	<div>After drying the top coat use 180 mash paper for sanding and polishing</div>
<div>7</div> <div></div>	<div>After the polishing apply two component finish coat (Emultion Additive+Curing Agent)</div> <div>Mixing ratio 4:1</div> <div>Drying time 6 to 8 hours</div>



Grinding/Other Finish

Possible to do sanded, matt, leather/curled finish, antique finish and to be finished with sealer for protection. Impregnating sealers are recommended. Please ask for information.

After Protection

Adequate care should be taken to cover the flooring in a dust free yet breathable manner- from works of all other trades. Staining must be prevented till floor is used.

Open to Traffic

Can be opened to foot traffic 1-2 days after completion of all work items. Avoid dirtying the surface while work is in progress.

Packing

Material is supplied in 2 parts

Part A+ Part B – 15 kg Base coat Mortar + 5 kg

Liquid (For Coarse Nano topping)

Part A+ Part B- 12Kg base Coat Mortar+5kg

Liquid (For fine Nano topping)

Shelf Life

3 months from date of packing before opening. Use within few hours of opening. Store carefully away from dampness and moisture.

Precautions

Material should be stored away from water. Use materials from different packs to reduce chance of any shade variation. Keep WC ratio and Curing conditions consistent to reduce chances of shade variation.

Applicable Standards

EN 13813 Screed material and floor screeds - Screed material - Properties and requirements

DISCLAIMER:

The information above is believed to be accurate & represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use, handling and from contact. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way, AMITEK manufactured by APP Paint Chemicals Private Limited will be liable for any claims, losses, or damages of any third party or for lost any special, indirect, incidental, consequential or exemplary charge, however arising, even APP Paint Chemicals Private Limited has been advised of the possibility of such damages.

MANUFACTURED BY -

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