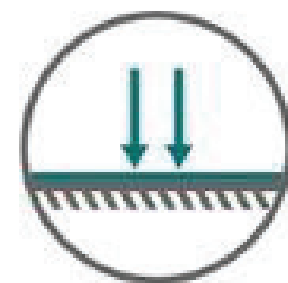


AMITEK SEAMLESS TERRAZZO

Product Features

AMITEK SEAMLESS TERRAZZO is a premium Decorative Seamless Epoxy Terrazzo Floor Screed supplied in two parts, i.e., Resin and Hardener and optionally with a variety of fillers and aggregates. The material is poured in place as a 6-10 mm thick decorative, seamless and polishable surface, which combines the ageless beauty of terrazzo with modern, yet environment friendly materials. The seamless epoxy matrix can be made available in unlimited colour and design options. Proper construction of base, usage of suitable primers, grout and topcoat are additionally required for proper results of the system.

Key Features Includes



Thin Layer Application
Environment friendly



Seamless Application
No joints



Quick Application
Fast completion of project



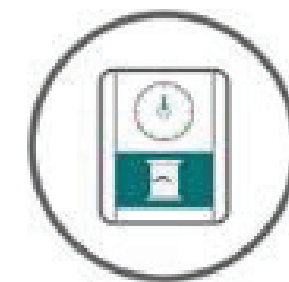
Lower Dimensional Shrinkage
Fewer cracks in concrete



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 site



Water Repellence
Moisture ingress & stain protection

As a result of these characteristics, one can expect high technical as well as visual characteristics, with less pinholes, great natural looks, and long lifetime for the flooring.

Application

Private high-end residences, Government and public buildings, schools, Restaurants and cafes, Showrooms and Department stores, Airport Terminals, Hotel Receptions, Hospitals etc.

Appearance

The material is supplied in plastic buckets for the Resin and Hardener, and in bags for the filler+ aggregates. The resin systems are offered in a variety of standard colours and can also be offered in RAL shades on request.

Specifications

Max. Aggregate Size	Compressive Strength
2-8 mm or as per request	>75 N/mm ²
Flexure Strength	Adhesion
>35 N/mm ²	Higher than base concrete
Wet Density	Water Absorption
~2000 kg/m ³	< 0.2%.
Work Time	Output/Coverage
Minimum of 30-60 minutes. Will be less when ambient temperatures exceed 28 °C or humidity is less than 50%.	~2.5 to 3 kg of Resin+ Hardener + 17.5 Kg of filler and aggregates per sq. meter for approx. 10 mm thickness.

*Specifications may change without notice. Please refer to our website for the most recent TDS

Why Epoxy Resin flooring from Amitek?

Amitek Epoxy material is made using the best raw materials, and with characteristics much superior to anything that is commonly available in the market. Terrazzo is available with all supporting materials, including samples for submission, customised colours, and a huge range of clean and dry aggregates produced in-house.

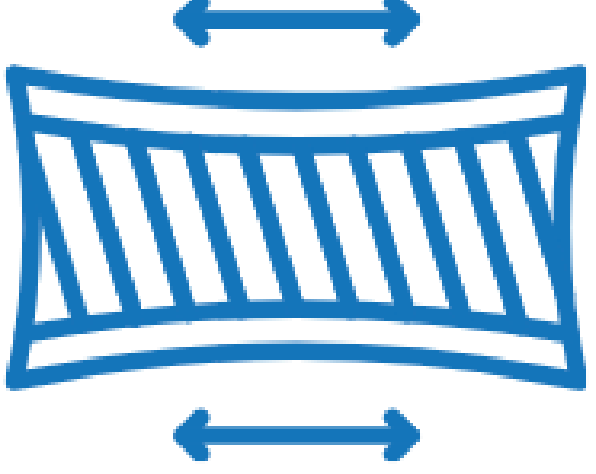
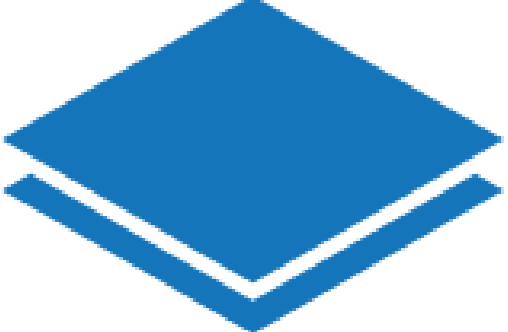
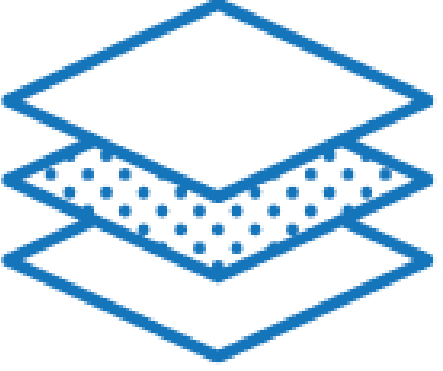

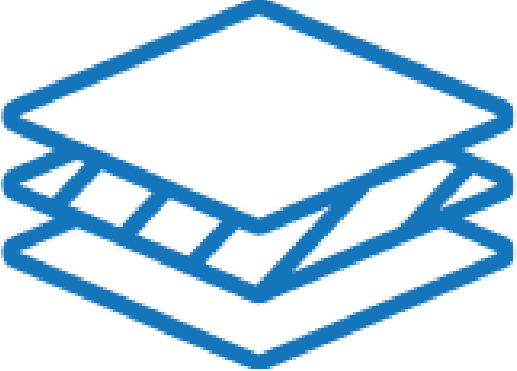
Application Thickness



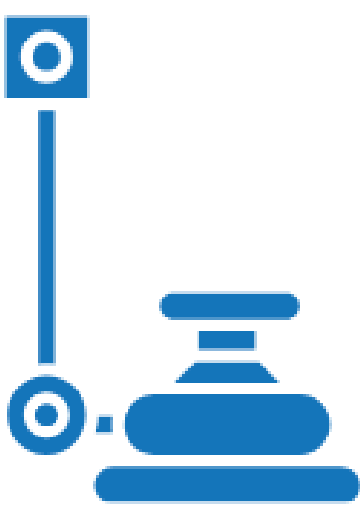
We recommend to screed the floor in 6-10 mm thickness, depending on the size of the aggregates. Use laser screed and floatation devices for large sites and best results.

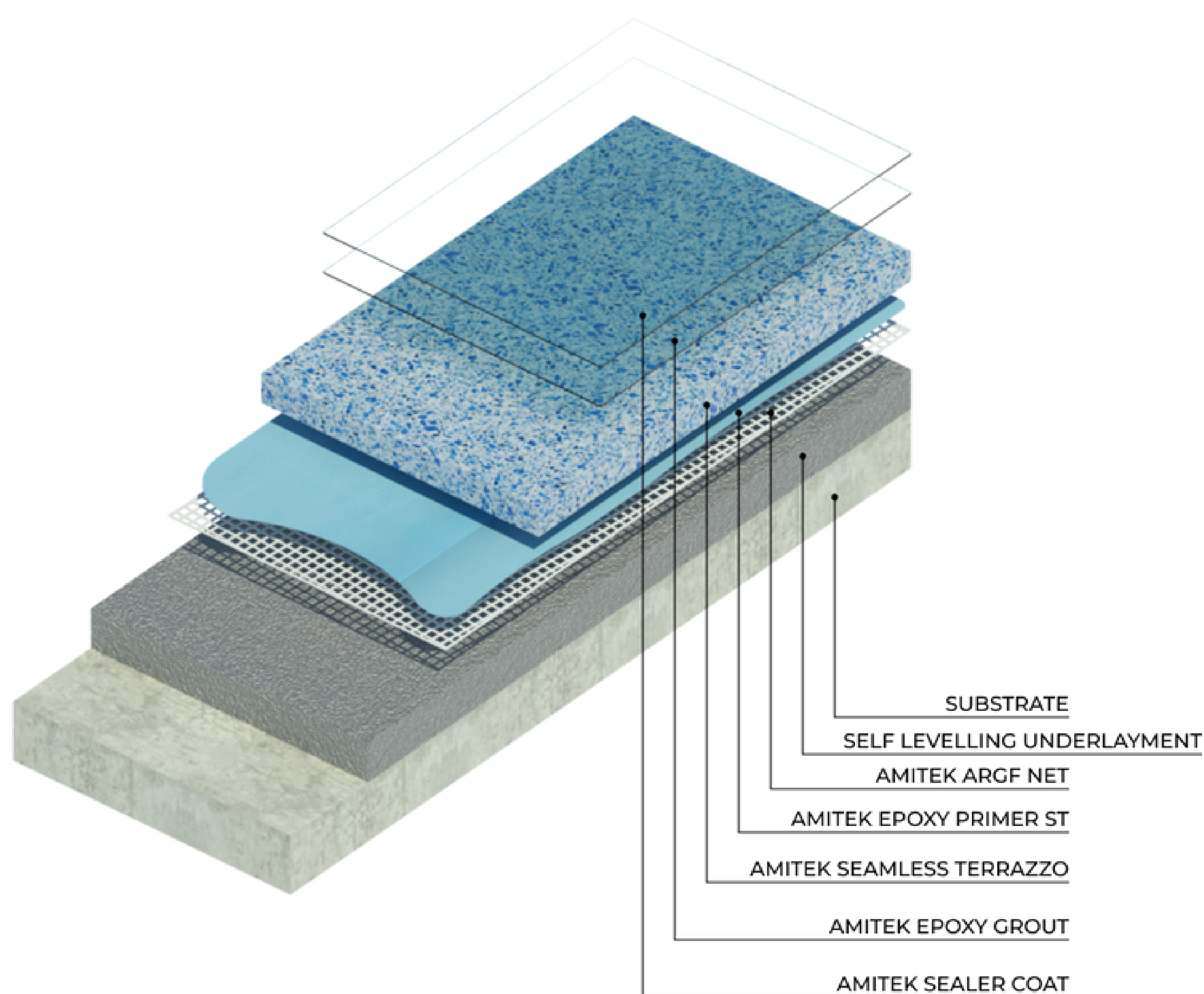
Base Surface Preparation

The concrete base or other floor bases must be clean, free of dust and grease. The base must be consistent, without loose particles and disaggregation. The base/ foundation should have a minimum tensile strength of 1.5 MPa and moisture/humidity no more than 5%. 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 if required. Use suitable Amitek Epoxy Primer. Foam, special tapes, or other flexible separators should be used to avoid direct contact with the Epoxy material.

Application/Installation Method

<p>1</p> 	<p>Compressive strength of concrete minimum 25MPa. Surface tensile strength should be minimum 1.5MPa All joints should be treated by PU sealant. Concrete surface profile needed CSP 3 to 5 Moisture level should be $\leq 5\%$ Rh < 75%</p>
<p>2</p> 	<p>Then apply 2 component (Binder + Curing Agent) Epoxy primer with fiber mesh Mixing ratio 4:1 Drying time 24 hours</p>
<p>3</p> 	<p>Then apply 3 component (Binder Pigmented +Curing Agent + Aggregates Mortar) Terrazzo (mixing ratio 4:1:32.66) Drying time 24 hours</p>
<p>4</p> 	<p>After drying the terrazzo grinding with water by machine (Use diamond Disk)</p>
<p>5</p> 	<p>Then apply 2 component (Binder + Curing Agent) Grouting Material (mixing ratio 4:1) Drying Time 24 Hours</p>

<p>6</p> 	<p>After drying the surface do grinding with emari again</p>
<p>7</p> 	<p>Apply sealer coat (Single Component) of Acrysil on the surface for surface protection.</p>
<p>8</p> 	<p>Than Do Buffing The Surface After the buffing leave the surface for 72 Hours for curing</p>



Curing

Tack dry and walkable in 24 hours. Full cure 7 days. Strictly protect from dust for the first 24 hours after casting. Curing time of the material and the system is influenced by ambient temperatures, with higher temperatures hastening the curing times and lower temperatures slowing it down.

Grinding/Other Finish

Normally two finish options are possible to employ. One is to do a mirror polished floor with polishing stones up to grain 3000 or higher and then followed by buffing pads and sealing with a regular sealer. Other is to do a basic polishing till 320 grain fineness and then seal the floor with a premium sealer. Please ask for information.

After Protection

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

Packing

Part A - 5.1 kg Resin in plastic container and

Part B - 1.9 kg Hardener in plastic bottle

(7 kg combination)

Filler+ Aggregates to be ordered separately

*Pack sizes are subject to change without notice

Shelf Life

Twelve (12) months from date of packing in unopened condition. Use immediately after opening. Store in a cool, dry place, away from sunlight. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

Precautions

The product is intended for professional use and with proper PPE equipment only. Proper preparation of base, and use of a suitable and effective moisture vapour barrier is required for substrates on grade or below grade. Before use of material, premixing of Part A of resins may be required before use to achieve uniform colour dispersion.

Please read carefully the application guidelines before start of work.

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 -

APP PAINT CHEMICALS P. LTD.

Call: +91- 9322226360, **Email id:** sales@apppaintchemicals.com, business@apppaintchemicals.com, **Website:** www.apppaintchemicals.com