



ENDLESS QUARTZ HORIZONTAL

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

ENDLESS QUARTZ HORIZONTAL is a pourable, polishable, self-levelling topping of concrete. With varying aggregate options and colors including the final preparation, this presents the designers and builders with a cheaper alternative to natural granite and quartz. It hardens to an abrasive resistant mortar with an impressive compressive strength and durability. It has excellent resistance to oil, solvents, alkalis and most dilute acids.



RECOMMENDED APPLICATIONS

- Ideal for floor topping of new and existing flooring of home, offices, facilities
- Countertop finish
- Applications with seamless and self-leveling requirement



ADVANTAGES

- Durable, hardwearing surface with excellent abrasion resistance and adhesion to substrates.
- Easier to clean resulting in low maintenance costs
- Available in a variety of different aggregate size and colors
- Seamless finish allows for an elegant finish
- Designed for a general maintenance coating where gloss, water resistant and color retention



PRODUCT INFORMATION

AGGREGATE VARIANTS: Fine and Medium
MIX RATIO: mix 4.25 to 4.5 liters of water to a 25 kg bag
WORKING TIME: Approximately 15 mins depending on temperature.
PACKAGING: 25 kg bag
STORAGE: Store in a cool, dry place, away from direct sunlight.
SHELF LIFE: 12 months from manufacturing date
CURING TIME: 32 hours under normal condition 7 days heavy load & acid resistance property
CHEMICAL RESISTANCE: Excellent to oil, solvents, alkalis and dilute acids
MIN THICKNESS: 5mm
MAX THICKNESS: 25mm
THERMAL CRACK RESISTANCE: up to 130 deg C
COMPRESSIVE STRENGTH: Up to 5,450 psi after 3 days



COVERAGE

2-2.5 sqm for every bag 25kg bag at 5mm thickness. Coverage figures are theoretical, and due to wastage factors, and the nature of possible substrates, practical coverage will be reduced



APPLICATION INSTRUCTION

SURFACE PREPARATION

Substrate must be at least 28 days old. Substrate must be clean, sound, and free from foreign material such as oil, curing compound, chemicals, coatings, wax and other materials. Remove dust preferably using a vacuum, then thoroughly clean the substrate with water and brush. Surface imperfections of greater than 3mm should be managed using PRIME ZONEPATCH Ultra-Strength Fast Curing Mortar.

PRIMER APPLICATION

Apply 2 coats of BONCRETE BONDING AGENT to the substrate. Allow for the proper drying times, making sure that the bonding agent is not tacky before applying ENDLESS QUARTZ

1st coat: allow to cure for 24 hrs before applying 2nd coat.

2nd coat: 2 to 3 hrs before applying endless quartz

TOOLS REQUIRED - Use a squeegee notch to spread out the mixture evenly to the substrate. After which, use a spike roller 13mm for application thickness of 10mm below and spike roller 28mm for application thickness above 10mm. Spike shoes should be worn to safeguard the integrity of the bonding agent during application.

MIXING - Mix thoroughly using a slow speed electric drill fitted with paddle for 3 – 5 minutes until desired homogeneous paste is achieved. Depending on the ambient temperature and the desired consistency, the amount of water required may vary slightly but should not exceed 4.25 to 4.5 liters per 25 kg bag of Endless Quartz Always add powder to water.

POLISHING - After 1 day, apply a concrete densifier and allow it to further cure. After 3 days, the mortar will already reach 5,000 psi of compressive strength and therefore ready for the first polish. Polish with a metal grit.

A QUARTZ PUTTY is available to manage any hairline crack and pinholes.

After which use an Acrylic Disc/Resin pad. First Polish - 50, 2nd Polish – 200, 3rd Polish – 500, 4th Polish – 800, 5th Polish – 1,500 and 6th Polish – 3,000.

It is recommended to apply AQUASEAL 85 which is a hydrophobic sealer to seal off the system and prevent water permeability and fungus growth.



QUALITY & DURABILITY ASSURANCE

Our stringent Quality Assurance Procedure for every batch of products manufactured. Our R&D Laboratory based in our production facility ensures that scientific Quality Control Parameters are measured for quality.

Our Quality Control Parameters ensure the stability of our products, ensuring the long-term durability amid exposure to various element and weather conditions.

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