

STRATUM 360

Self-leveling cement-based underlayment mortar

DESCRIPTION

STRATUM 360 is a pre-mixed and bagged blend of cements, aggregates & special polymers to give a high quality, cement-based self-leveling and self-smoothing underlayment, with excellent workability and finishing characteristics for interior floors. **STRATUM 360** is easy to use, requiring only the addition of clean water to give a consistent, free flowing material with an application thickness of 3-10 mm in a single layer.

USAGES

- As a final floor layer before carpets, vinyl sheets and many other floor finishes
- Screeding over hollow-core pre-cast concrete slabs
- Levelling floor and slabs to slope ensuring proper flow to drains

STANDARDS

STRATUM 360 is formulated to comply with all requirements of;

- EN197:2011
- EN1636:2013
- EN13813:2002
- BS8204:2010

TECHNICAL DATA

STRATUM 360

Mixed Appearance

Compressive Strength
@day 28 (BS EN196)

Grain Size

Pot Life

Open to Light Traffic

Recommended
Thickness

Bulk Density

Bond Strength
@28 days

Time before covering
(at 3 mm thick)

Carpet, Ceramic Tiles

Vinyl Sheet, Rubber

Parquet

Floor Paints

Typical values

Grey powder

30 N/mm²

≤ 0.3 mm

25 min

6 – 8 hours

3 – 10 mm in single
layer

1.5 g/cm³

1 N/mm²

1 – 2 days

2 – 3 days

3 days

7 days

ADVANTAGES

- Factory controlled pre-blend ensures consistent high quality
- Suitable for middle east harsh weather conditions
- Easy application enabling high productivity & superior finishing
- High bond to substrate
- Excellent physical and mechanical properties
- Shrinkage compensated
- Excellent workability

USAGE INSTRUCTIONS

1. Surface preparation

Long term durability and function can only be achieved with good preparation to give a strong adhesion & mechanical bond to the substrate.

Prepare concrete surfaces preferably by mechanical methods to remove laitance, curing compounds and other loose materials to provide a mechanical key for **STRATUM 360**.

2. Priming

Apply bonding coat comprising 3 parts OPC, 1- part water and 1-part ENEBOND ACR to the pre-soaked concrete surface. Apply the STRATUM 360 wet on wet to the bonding coat. DO NOT LET THE BONDING COAT DRY.

Work the primer well into the concrete surface using a stiff brush to give an even, continuous, unbroken coating.

A second priming coat may be required if the substrate is particularly porous, and the substrate should be re-primed if the primer coat has dried.

STRATUM 360

STRATUM 360

Coverage

1.6 kg/m²/1mm

3. Mixing

Accurately measure 5.5 – 6 liters of drinking quality water and place in a suitable empty container with sufficient volume to accommodate the mixed material.

Slowly add the powder to the water and mix continuously for 4 – 5 minutes using a slow speed drill and paddle or forced action mixer, until a homogenous consistency is achieved.

No additional water should be used as this will change the performance of the mixed material.

4. Application

Pour the mixed **STRATUM 360** onto the prepared surface. Spread out and tamp or compact using a plastic or wood float to provide a dense topping to a thickness of 3-10 mm.

Expansion joints must be reflected through the **STRATUM 360** and preferably sealed with a suitable sealant from the **ENESEAL** range after the floor finishes have been installed.

5. Curing

STRATUM 360 is a cement-based material, that should be cured properly by spraying water for 3 days.

Using **ENECURE WB** curing compound is recommended.

PACKAGING

STRATUM 360 is supplied in 25 kg bag.

HEALTH & SAFETY

Is non-toxic and non-hazardous, if material comes in contact with skin, cleaning with water and soap is recommended.

STORAGE & SHELF LIFE

STRATUM 360 shall be stored in normal conditions away from extreme temperatures, and any source of moisture. Shelf life is 12-months.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
concretedoctor@arkaz.com

LEGAL DISCLAIMER

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. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale including those limiting warranties and remedies which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would violate or infringe statutory obligations or any rights belonging to a third party.

These products may be covered by patents or patents pending.



Copyright 2021
Printed in K.S.A. Version 2.0
13-March-2020