

asiamMORTAR
Deliver Solutions



022 - 021
Eco-Friendly Building Material
Minimum 20% Recycled Content

R-CRETE ECO SCREED WP

DESCRIPTION

R-CRETE ECO SCREED WP is cement-based pre-packed environmentally friendly waterproof floor screed consists of Ordinary Portland Cement, Ground Granulated Blast Furnace Slag (GGBFS), graded sand and additives. It is designed for use as a floor or deck topping at thickness of 10mm to 40mm. It is specially formulated to provide excellent strength and crack control.

- High sulfate resistance due to a lower C_3A content in blended cement
- Low permeability with the formation of additional calcium silicate hydrate (CSH)
- Mitigate Alkali Silica reaction

USES

R-CRETE ECO SCREED WP is formulated for waterproofing both internal and external applications on sound concrete substrates. It is designed to have non-slump properties but yet high workability to allow the mason to form a gradient to avoid trapping of water. R-CRETE ECO SCREED WP is used for both new estates and upgrading estates for wet areas like kitchens, toilets, balconies and roof tops.

ADVANTAGE

- Premixed to ensure high consistent quality.
- Convenience in handling.
- Same amount of water is added to achieve consistency in workability.
- Easy mixing and application.
- Excellent compressive and bonding strength.
- Time and cost savings due to quick easy laying.
- Shrinkage compensated.
- For both internal and external uses.
- Cleaning limited to just disposing used paper bag.

METHOD OF USE

Surface Preparation

The surface to be laid should be free from dirt, dust, oil, grease or other contaminants. Any loose material must be removed either by vacuuming or pressure washing. All concrete substrates must also be sound with adequate strength to assure a good bond.

It is recommended that the level of the existing surface be surveyed to check for excessive deviations which should then be rectified.

Mixing

Pour one 40kg bag of R-CRETE ECO SCREED WP into a mechanical mixer with approximately 6.4 litres of water and mix for about 3 minutes to obtain a homogeneous lump-free mix. Mixing can also be done using an automatic pump/mixer system.

Placing

Spread the mix in one coat from 10 - 40mm either by pouring or pumping. To ensure uniform and level surface, the material must be continuously spread.

R-CRETE SCREED WP should be protected against direct sunlight and drying winds after placing. If application of R-CRETE ECO SCREED WP is under direct sunlight, use FLEXICURE 102 for curing.

HANDLING

R-CRETE ECO SCREED WP is non-hazardous. Wear a filter mask to avoid inhaling dust and protective clothing and gloves while working. Remove splashes from skin with water and in case of eye contact, wash copiously with water. If irritation persists, seek immediate medical attention.

CURING

R-CRETE ECO SCREED WP should be allowed to cure for 4 – 6 hours before any tiling works is carried out.

CONSUMPTION

A 40kg bag yields approximately 22 Litres of R-CRETE ECO SCREED WP mix and can cover 1.8kg/m² at 1mm thick.

PACKING

R-CRETE ECO SCREED WP is supplied in 40kg bags at 50 bags per pallet.

SHELF LIFE

If stored in a cool and dry place, the shelf life of R-CRETE ECO SCREED WP is approximately 6 months in unopened bags.

SPECIFICATIONS	
Water Powder Ratio	0.16 (or 6.0 – 7.0 litres of water per 40kg bag)
Compressive Strength	25 N/mm ² (ASTM C109:2002)
Flexural Strength	> 2 N/mm ² (ASTM C348:2002)
Shrinkage	No cracks (Continho Ring)
Stiffening Time (1.0 N/mm ²) (2.0 N/mm ²)	300 mins 380 mins (BS EN 1015:1999A)
Workability Time	30 mins
Flow	80 – 120% (ASTM C1437:2001)
Volume Change	No more than -1% (ASTM C827:2001)
Water Retentivity	> 90% (BS 4551:1998)

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