

Enviro Rapid Screed

Rapid-set Engineered Screed Cement

DESCRIPTION

Enviro Rapid Screed is a rapid-set engineered screed cement designed for all types of floor coverings, and especially effective under moisture-sensitive coverings. It allows foot traffic shortly after placement and laying of floor coverings after 24 hours and is compatible with the Enviro systems decorative flooring range.

AREAS OF USE

SURFACES: New and existing concrete.

AREAS: Internal and external bonded, unbonded (on a slip sheet or insulation layer) and heated screeds beneath tiles, natural stone, terrazzo, resilient and textile coverings, and parquet.

FEATURES & BENEFITS

- Fast track – ready for tiles, stone, and terrazzo after 24 hours
- Ready for resilient, textile and parquet coverings after 24 hours
- Interior and exterior use
- Dimensionally stable
- Working time up to 60 minutes
- Suitable for floor heating

PRODUCT INFORMATION

Packaging	20kg Bags
Shelf Life	12 months in original sealed packaging in a controlled environment
Compatible Primers	Enviro Prime GT1 Enviro Shield
Compatible Membranes	Enviro 200P Ultra Enviro 500 EXT Enviro HP1200 Enviro Hydrostatic 1
Compatible Additives	Enviro Mortar Additive

PHYSICAL PROPERTIES

Property	Test Method	Test Result
Bulk Density	–	1 kg/L
Fresh Mortar Weight	–	2 kg/L

Property	Test Method	Test Result
Consumption	–	3.1 kg powder per m ² per 10mm
Working Time	–	60 minutes
Walkable	–	8 hours
Compressive Strength	–	32 MPa @ 1 days; 40 MPa @ 3 days; 48 MPa @ 28 days

COVERAGE RATE

A 20kg bag mixed with 80kg graded aggregate covers approximately 6.5m² at 10mm thickness.

SUBSTRATE PREPARATION

Surfaces must be clean, dry, and free from dust, laitance, grime, grease, coatings, and curing compounds, with sharp edges and projections removed. For dense, smooth, steel-trowelled concrete, grind and prime with Enviro Prime GT1.

APPLICATION

Mixing: Using a horizontal forced-action mixer or screed pump, mix 20kg with 80kg graded aggregate (0–8mm, not gravel) and gradually add 6–8L of clean water (never more than 11L per bag). Mix for 2 minutes and fill the mixer no more than $\frac{3}{4}$ full. Do not add other additives or cements.

Bonding Slurry: For bonded screeds, mix a 20kg bag with 10L water, then add 10L Enviro Mortar Additive to a smooth slurry. Brush or roll a 0.5–1mm film onto the Enviro Prime GT1-primed substrate and place the screed wet-on-wet.

Over Enviro systems Membranes: For bonded installation over Enviro 200P Ultra, Enviro 500 EXT, Enviro HP1200, Enviro Hydrostatic 1 or two-part Flex membranes, apply Enviro Shield over the membrane before the slurry coat.

Thickness: Unbonded – min. 35mm (45mm over floor heating), placed in increments up to 60mm, slurry-bonding each lift. Bonded – 10mm to 35mm per application.

Placement: Mix, place, level, and finish within 10 minutes. Bring expansion joints through the screed. At day joints or stops longer than 1 hour, cut a vertical edge and insert starter bars. Do not apply below 5°C.

Floor Coverings: Walkable after 8 hours; ready for tiles after 24 hours. Avoid heavy loads until full strength is reached.

For applications or situations not covered above, contact Enviro systems



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technical support.

CLEANING

Clean tools and equipment with water before the product sets.

LIMITATIONS

- Do not apply below 5°C.
- Do not exceed 11 L water per bag.
- Do not mix with other cements or additives.

HEALTH & SAFETY ADVICE

Provide adequate ventilation and wear PPE. Avoid skin contact and breathing dust; wear protective eyewear. If inhalation effects occur, move to fresh air; if discomfort persists or if swallowed, seek medical attention. Refer to the Safety Data Sheet for full safety and handling procedures.

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to accuracy, reliability, or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

NOTE: Field service where provided does not constitute supervisory responsibility. Suggestions made by Enviro systems, either verbally or in writing may be followed, modified, or rejected by the owner, engineer, or contractor since they, and not Enviro systems, are responsible for carrying out procedures appropriate to a specific project.

NOTE: All products manufactured by Enviro systems comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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