



Enviro Rapid Screed

Rapid Set Engineered Screed Cement



DESCRIPTION

Enviro Rapid Screed is a rapid set screed cement that has been designed for all types of floor coverings and is especially effective when installing moisture sensitive coverings. In addition it is compatible with Envirosystems decorative flooring range. Enviro Rapid Screed produces a screed that improves on-site efficiencies by allowing traffic shortly after application and laying of the floor covering on the same day.

FEATURES

- Fast track – Ready to receive tiles, natural stone and terrazzo tiles after 8 hrs
- Ready to receive resilient and textile floor coverings and parquet after 2 days
- For interior and exterior use
- Dimensionally stable
- Working time – up to 60 mins

TYPICAL USES

Enviro Rapid Screed can be used for internal and external applications under various floor coverings.

The screed can be used as a:

- Bonded screed
- Un-bonded screed (on a slipsheet or insulating layer)
- Heated screed

For the installation of:

- Tiles
- Natural Stones
- Terrazzo
- Resilient and textile floor coverings
- Parquet

PHYSICAL PROPERTIES

Bulk Density	Approx. 1kg/L
Fresh Mortar Weight	Approx. 2kg/L
Material Requirement	Approx. 3.1kg of powder/m ² and 10mm
Working Time	60 mins
Walkability	8 hrs
Compressive Strength	
1 day	20MPa
3 days	30MPa
28 days	35MPa
Tensile Bending Strength	
1 day	4.0MPa
3 days	4.5MPa
28 days	5.0MPa
Suitable for Floor Heating	Yes

SUBSTRATE PREPARATION

Surfaces must be clean, dry, and free from contamination such as dust, laitance, grime, grease, coatings, and curing compounds. Remove all sharp edges including screws, nails and concrete/mortar projections.

Suitable substrates are: New and existing concrete. For other substrates, further information on substrate preparation or for project specific advice, please consult Envirosystems.

customerservice@envirosystems.com.au





MIXING

Using horizontal forced action mixers or screed pumps, mix 20kg Enviro Rapid Screed with 100kg Gravel Mix 0 – 4mm; gradually add 9.5 – 11L of clean water (mixing water may vary depending on the moisture content of the Gravel Mix). Mixing time is 2 minutes.

It is important not to overfill the mixer above the recommended volume. Ideally, the mixing drum should only be filled up to ¾ of the volume. Overfilling of the drum will result in poor mixing.

The total amount of mixing water to be used must not exceed 11 litres per bag of Enviro Rapid Screed. Do not add any additives such as compound oils etc and do not mix with other cements. The working time of the Enviro Rapid Screed is approximately 1 hour depending on site conditions.

Mixing, application, levelling and smoothing must succeed each other within 10 minutes. The areas should only be of such a size that they can be completed within this working time. Higher temperatures shorten, whilst lower temperatures lengthen working and hardening times.

APPLICATION

For bonded screeds and to ensure maximum bond to the substrate, a slurry mix has to be produced. Enviro Rapid Screed and Gravel Mix 0 – 4mm is mixed at 1:1 ratio and then mixed with Enviro Prime ERS and water at 1:1 ratio. The slurry then has to be applied with Enviro Rapid Screed wet on wet to the primed substrate.

The fast-drying properties of the screed need to be observed. If in doubt install a test area. Do not apply at temperatures below 5°C.

For further information regarding application or for project specific advice please consult EnviroSystems. customerservice@envirosystems.com.au

THICKNESS

The nominal screed thickness for unbonded Enviro Rapid Screed mix is at least 40mm thick. When a floor heating system is installed, the recommended thickness is 45mm. For a bonded screed thickness must be at least 15mm. Enviro Rapid Screed can be installed to any thickness in 70mm increments to ensure proper compaction.

FLOOR COVERINGS

Enviro Rapid Screed can be walked on and is ready to receive tiles after 8 hours. Since the final strength has not been achieved after this time, placement of heavy loads such as pallets with tiles and heavy machines should be avoided.

COVERAGE

A 20kg bag of Enviro Rapid Screed mixed with 100kg of Gravel Mix will cover approximately 6.5m² per 10mm of thickness.

PACKAGING & COLOURS

Enviro Rapid Screed is supplied in 20kg bags.

CLEANING

Enviro Rapid Screed should be removed from all tools and equipment, prior to curing with water.

SHELF LIFE

Enviro Rapid Screed can be stored in its original sealed containers for 12 months in controlled environments.

HEALTH & SAFETY ADVICE

When using Enviro Rapid Screed always provides adequate ventilation and wear appropriate Personal Protection Equipment (PPE) during use. Avoid contact with skin. Avoid breathing vapours. Wear protective eyewear. If inhalation effects occur, remove to fresh air. If discomfort persists, any breathing difficulties occur or if swallowed, seek medical attention. Refer to Safety Data Sheet for full details.

KEEP OUT OF REACH OF CHILDREN

NOTE: Safety Data Sheets are available upon request by emailing customerservice@envirosystems.com.au

We're here to help you!

It is a good idea to keep a journal of your job, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

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