

PRO SCREED ECO

BRAND/PRODUCT NAME

PRO SCREED ECO

MANUFACTURER

PROTEC GREEN PTE LTD

NO. 3 Sungei Kadut Street 6

Singapore 728851

Tel: 62695395 Fax: 63671008



PRODUCT DESCRIPTION

PRO SCREED ECO is an environmentally friendly premixed floor screed comprising of Portland Cement, carefully selected additives, aggregates and sand. **PRO SCREED ECO** needs only to be mixed with potable water to provide good workability and ease of use.

PRO SCREED ECO mortar can be mixed with **PRO BOND 202** latex admixture to produce a latex Portland Cement mortar that has exceptional high compressive and adhesion strength, shock proof and other enhanced physical properties.

PRO SCREED ECO and **PRO BOND 202** latex admixture mortar mix is also suitable for industrial and heavy vehicular traffic uses.

ADVANTAGES

- Factory blended pre-packed ensures high quality product
- Easy mixing and application
- Excellent compressive and adhesion strength
- Weather resistant and durable
- Economical – saves time, labour and money
- High performance

USES

PRO SCREED ECO is designed to be use as a finishing floor screed or medium and thick levelling bed to receive tile/stone finishes. It can also be use for worn-out concrete and screed surface repair application. **PRO SCREED ECO** is suitable for interior or exterior application and is excellent for residential and industrial use.

INSTALLATION

Surface Preparation

Surfaces receiving **PRO SCREED ECO** must be clean and free of dust, oil and all impurities/contaminants that might inhibit bonding. Good construction practices like washing of substrate a day before screeding is highly encouraged. Dry and dusty concrete slabs or masonry should be dampen and stagnant water swept off prior to application.

Mixing

Place approximately 5 to 6 litres of clean potable water in a clean mixing pail. Add one bag of 40kg **PRO SCREED ECO** and mix with hand held mechanical mixer. Mix for approximately 3-5 minutes to a homogenous lump-free consistency. Use rotating drum mixer with hollow-out fins for large quantity mixing. Always gauge the correct water/powder ratio before mixing.

Application

Before placing **PRO SCREED ECO** mortar, apply a slurry bond coat using clean potable water (or **PRO BOND 202** latex admixture) mix with Portland Cement. Place **PRO SCREED ECO** mortar while slurry bond coat is still wet and tacky. Spread levelling mortar, compact well and float to desire flatness or pitch to gradient.

Allow **PRO SCREED ECO** to cure for at least 24 hours before tiling works.

Recommended thickness of **PRO SCREED ECO** levelling bed/screed is 15mm to 75mm. Thickness beyond 40mm must be reinforced with BRC wire mesh.

Re-working of **PRO SCREED ECO** mixed mortar with additional water will down-grade the performance of the product.

PACKAGING

PRO SCREED ECO comes in 40kg bag.

TECHNICAL DATA

Performance Properties:

TEST/TEST METHOD	RESULTS
Compressive Strength ASTM C109/109M : 2013	≥ 25 N/mm ² ≤ 40 N/mm ²
Flow ASTM C1437 : 2013	80% - 120%
Water Absorption ASTM C413 : 2001 (2012)	< 5%
Flexural Strength ASTM C348 : 2008	> 2 N/mm ²
Water Retentivity BS 4551 : 2005 + A2 : 2013	> 90%
Shrinkage COUTINHO RING	No Cracks
Stiffening Time - 1.0 N/mm ² - 2.0 N/mm ² BS EN 1015-9 : 1999	≤ 360 mins ≤ 420 mins
Volume Change ASTM C827/C827M : 2010	Shrinkage value of not more than 1%
Coverage	1.80 kg / m ² / mm thick
Density	2000kg/m ³

SHELF LIFE

Approximately 12 months in factory sealed packaging and should be stored indoor and off the ground in dry area.

**High humidity will reduce the shelf life of bagged cementitious product.*

CAUTION

PRO SCREED ECO contains Portland Cement and Silica Sand. Avoid eye and skin contact and use protective gloves and goggle. Mix in a well-ventilated area and avoid breathing powder or dust.

For further information, refer Material Safety Data Sheet.

SALES AND TECHNICAL SERVICES

PROSPAQ GROUP PTE LTD

No. 3 Sungei Kadut Street 6

Singapore 728851

Tel: 6269 9532 / 6816 8228

Fax: 6368 1193

Email: sales@prospaq.com

The information in this catalogue is provided to the best of our knowledge from results gathered both internal and external credited laboratories. However, we have no control over site application, site conditions and workmanship of the applicator. We therefore will not accept any liability, either directly or indirectly arising from the misuse of these products or when the product is used not in accordance with any advice, specification, and recommendation of information given by us. The user is responsible for checking the suitability of these products for its intended use.