Tradies Choice – Engineered screed

DESCRIPTION

Tradies choice Engineered screed is a ready mixed cementitious mortar made up of special hydraulic binders, organic additives and aggregates with selected and controlled granulometry. The product is characterised by normal setting times, fast drying and controlled shrinkage.

- Suitable for interior and exterior applications
- Quickly develops high mechanical strength, setting to light foot traffic just 6-8 hours
- Suitable for the development of floating or bonded screeds in indoor and outdoor areas, ideal for subsequent installation of ceramic and porcelain tiles after 24 hours

SURFACE PREPERATION

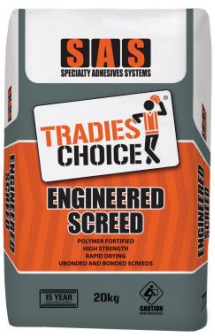
A long the entire perimeter and in correspondence with any elevations (coloums, beams, etc) A perimeter expansion joint must be applied.In the case of floating or unbonded screeds, create a suitable vapour barrier against rising damp, overlapping the sheets by at least 20 cm and sealing them with adhesive tape, folding them up along the entire perimeter and in the presence of any elevations for the entire thickness of the screed.

MIXING

The mix can be prepared with a cement mixer, horizontal auger mixer or drill mixer. Manual mixing using a shovel is not recommended, as this will prevent the proper homogenisation of the mix. Mix thoroughly for at least 5-10 minutes. The water must be measured carefully to obtain a mix with a wet almost plastic, earth consistency which, which in the compacting and tamping phase, must not create surface water. Pour 1.6 litres of clean water per bag of Engineered screed and mix for at least 3 minutes. Do not adjust the indicated quantity of water so as not to compromise the final performance of the screed.

MOVEMENT JOINTS

Movement joints must be in accordance with Australian Standards AS 3958.1-2007



APPLICATION

Bonded Screed (min 20mm)

Clean substrate and prime with Tradies choice Master primer. Mix up an appropriate amount of Tradies choice Master Grip Lite or Master Pro x – tech and apply with an 8-10mm notched trowel to create a good key to bond the engineered screed to the substrate. Apply the prepared engineered screed directly onto the adhesive. Using a wooden float, compact the screed down. Be sure not to leave any holes or hollows in the screed. Cut off excess screed using a straight edge or level. Cut in desired fall to screed as per the Australian Standards. Once correct falls have been achieved, finish the surface using a wooden float or rough plastic float. (Do not finish with a metal plastering trowel.) Be sure to protect fresh screed from other trades using a barricade or signage. Once cured, go ahead and waterproof or tile using SAS Tradies choice range of products.

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Bonded screeds (thickness 20 to 40 mm)

Screeds with reduced thickness must be bonded to existing substrate, generally consisting in a concrete slab or existing ceramic or natural stone coverings. In this case after properly preparing the substrate (cleaning, degreasing etc) and just before pouring the mix, use a brush , large brush or broom to apply an even layer of bonding slurry made with neat cement water and master additive batched in the following proportion.

Engineered screed : 3 parts by weight

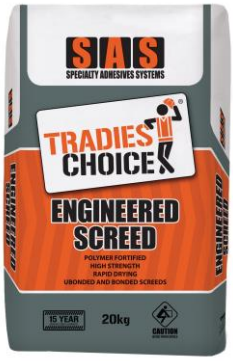
Water : 1 part by weight

Master additive : 1 part by weight

Then apply the engineered screed mix wet on wet on the bonding slurry. In the case of warm climates or wind, pay extra attention that the bonding slurry has not skinned over before pouring the screed, as this will compromise its adhesion.

Unbonded screeds with a suitable vapour barrier (thickness 40 to 80 mm) the engineered screed mix is applied on a separation layer made of polyethylene sheets or similar, overlapping by at least 20 cm (sealed with tape) and turned up along the perimeter and on any surface elevations for the entire thickness of the screed, and works as a vapour barrier against any rising damp.

For all other applications not mentioned please contact the SAS Technical team.



PRECAUTIONS

- Spread the product at temperatures between 5°C and 35° C inclusive.
- Do not add lime, cement or other foreign materials to the product.
- Respect the mix ratio.
- Do not use the product on damp surfaces or surfaces subject to rising damp.
- Do not wet the surface of the screed created with the engineered screed.
- In warm climates, keep the packaged product in a cool and dry place away from the sun before use.
- In case of exterior installations, protect the tiled surface against rain or direct sunlight for at least 24 hours
- Do not use the product for applications not stated in this technical data sheet.
- For all other applications not mentioned please contact the SAS Technical team.

Packaging

20kg bags

PACKAGING

20kg Powder

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TECHNICAL DATA	Requirement
Appearance	Grey powder
Mix ratio	Water 1.6 litres per 20kg bag
Pot life	≥ 1 hr
Applicable of thickness	Bonded screeds 20 to 40 mm
Applicable of thickness	Unbonded screeds 40 to 80 mm
Applicable of temperatures	5°C and 35° C
Set to light foot traffic	12 hours
Waiting time for installation of Porcelain tiles	24 hours
Waiting time for installation of resilient and wood flooring	4 days
Clean up	With water when product is fresh
Consumption	19-20 kg/m2 per cm of thickness
Compressive strength	≥ 30 MPa

MANUFACTURERS WARRANTY

Tradies Choice Engineered screed is backed by our 15 year manufacturers warranty

SDS is available from www.sas-aa.com.au

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