

TECHNICAL DATA SHEET EASY MIX TRADITIONAL FLOOR SCREED



DESCRIPTION

Easy Mix Traditional Floor Screed is a mixture of double washed and graded coarse sands, cement and additives.

It is suitable for internal and external floor applications, including balconies, bathroom floors and shower bases.

It is suitable for the installation of ceramic tiles, vinyl and carpet

PRODUCT PACKAGING

Easy Mix Traditional Floor Screed is available in 20kg paper bags.

PRODUCT COVERAGE

20kg of Easy Mix Traditional Floor Screed will cover approximately 1m² (at a thickness of 10mm).

For guidance, the table below provides estimated coverage for Easy Mix Traditional Floor Screed for various applications.

Surface types and application variations may cause departures from these consumption estimates.

Application	Application Details	Cover Estimate (smooth surface) m ² /litre (Mix)	Cover Estimate (rough surface) m ² /litre (Mix)	Litres Latex Bonding Agent (LBA*) Needed (Mix)
Cement Slurry Bond Coat	1:1 (v/v) latex bonding agent / water mixture, 2 litres of mixture added to 4kg cement	(4)	(2)	(1)
Priming	Neat (direct from container)	4	2	1
Priming	1:1 (v/v) latex bonding agent / water mixture	16	8	0.5
Priming	1:2 (v/v) latex bonding agent / water mixture	24	12	0.33
Screed Admixture	1.8-2.1 litres of 1:1 (v/v) latex bonding agent / water mixture added to 20kg screed, 10mm screed layer thickness	(1.1)	(1.1)	(1)

Latex Bonding Agents (LBAs) are milky, liquid polymer dispersions which can be added to Easy Mix Traditional Floor Screed to improve adhesion of the screed to a concrete substrate. Many brands are available, however, we recommend that where possible the use of Acrylic-Latex, Styrene Acrylic-Latex or SBR-Latex emulsions be used in conjunction with Easy Mix Traditional Floor Screed. Please read product specific instructions for best use of these products with Easy Mix Traditional Floor Screed.

PRODUCT LIMITATIONS

Do not use Easy Mix Traditional Floor Screed on:

- Wooden, rubber or metal substrates unless the minimum bed thickness is 40mm and is reinforced with an appropriate wire mesh
- A bed thickness less than 5mm.

TECHNICAL PROPERTIES

Dry Product	
Form	Grey Powder
Bulk Density	1900kg/m ³
Mix Ratio	1.8-2.1 litres per 20kg

PRODUCT ADVANTAGES

- Once applied Screed leaves a cohesive and crack free finish
- Screened and specially graded sand between 0.3-1.4mm – providing a free flowing premium under tile screed that resists shrinkage during drying.
- Double washed sand – eliminating the majority of clay fines to reduce water demand and subsequent shrinkage in the screed bed.
- Convenient 20kg packaging – making it ideal for transportation to job sites, no need for loose sand messing up the back of a ute.
- Simple to use on multi-floor buildings and for placement in tight locations.
- Cost Effective – money isn't wasted with sand and cement lying or disappearing on the job site.
- Time Effective – less time needed to clean up job sites.
- Doesn't mess up your Ute.

Mixed Product

Consistency	Homogeneous Paste
Wet Density	2000kg/m ³
pH Value	10-12
Pot Life	2 hours
Setting Time	2-4 hours
Drying Time	24 hours

Compressive Strength

24 hours	12MPa
7 days	26MPa
28 days	29MPa

Note: This product may contain metallic impurities. Please review suitability of this product prior to use.

SURFACE PREPARATION

All substrates must be completely solid, dry, structurally sound, free from loose particles, paint, grease, oil, wax, dust and any other contaminants.

AS3958.1-2007 (Ceramic Tiles – Part 1: Guide to the installation of ceramic tiles) gives guidance on the types of concrete surface finish applicable to various tile fixing methods. It also provides guidance on the waiting period required for new concrete. Table 4.3 from AS3958.1 is shown below.

CONCRETE FLOOR PREPARATION

TABLE 4.3 ex AS3958.1-2007 (Ceramic Tiles – Part 1: Guide to the installation of ceramic tiles)

Fixing Method		Applicability of Finish				Minimum Drying Time of Concrete	Maximum Variation in Plane of Concrete
Fixative	System	Screed	Wood Float or Broom	Power Float	Steel Trowel		
Mortar	In Situ Underlay	Yes	Yes	Yes	Yes	4 weeks	5mm in 3m
	Separating Layer	Yes	Yes	Yes	Yes	4 weeks	5mm in 3m
	Sand/Cement Mortar Bed	Yes	Yes	No	No	6 weeks	20mm in 3m
Adhesive	Thick Bed	Yes	Yes	Yes	No	6 weeks	10mm in 3m
	Thin Bed	Yes	Yes	Yes	No	6 weeks	5mm in 3m
	In Situ Underlay	Yes	Yes	Yes	No	4 weeks	5mm in 3m

Use of Easy Mix Traditional Floor Screed and latex bonding agent on new concrete surfaces should be governed by the criteria shown in Table 4.3 from AS3958.1-2007.

Fibre cement sheet substrates must be fixed in accordance with the manufacturer's instructions and the relevant Australian Standards.

Highly absorbent substrates should be primed with latex bonding agent, diluted at a rate of 1:1 with water.

All masonry and cementitious substrates must be primed at the rate of 2 parts water : 1 part latex bonding agent, prior to installation of Easy Mix Traditional Floor Screed.

MOVEMENT JOINTS

It is essential that movement joints are carried through the tile and adhesive, and that the screed is kept free from dust, adhesive and other contaminants.

Refer to AS3958.1-2007 for guidance on the design and construction of movement joints.

PRODUCT MIXING

- 1 Into a clean bucket, add 1 litre of clean water and 1 litre of latex bonding agent, per 20kg of Screed.
- 2 Mix contents together using a high speed drill mixer on low speed – until the screed is smooth and homogeneous.

APPLICATION INSTRUCTIONS

- 1 Place the mixed product onto the area to be filled. Screed and plane to the desired thickness of between 5mm-120mm per application using an appropriate straight edge.
- 2 Apply the desired surface finish using a wooden or polyurethane float.
- 3 Discard any material that has exceeded the pot life or working time of the product.

BONDED SCREEDS

Apply a primer coat of latex bonding agent (mixed 1:1 with water) onto the substrate. Place the mixed screed onto the bond coat while it is still wet. Apply the finish as described previously.

Note: Easy Mix Traditional Floor Screed should be applied at a minimum thickness of 25mm for bonded screeds. Un-bonded screeds should have a minimum bed thickness of 40mm.

TILE, VINYL AND CARPET INSTALLATION

Ceramic Tiles may be installed immediately using the 'Wet-Bed Method' or with an appropriate tile adhesive once the screed has fully cured, (usually after 7 days). In determining when laid Easy Mix Traditional Floor Screed is suitable for the installation of different flooring materials, the following guidance is presented based on Australian Standards.

AS2455.1:2007 Textile Floor Coverings – Installation and Practice (Covers products like carpets)

AS1884:2012 Floor Coverings Resilient Sheet and Tile – Installation Practices (Covers products like lino, vinyl)

AS3958.1 : 2007 Ceramic Tiles Part1 – Guide to the Installation of Ceramic Tiles

Textile Floor Coverings

Easy Mix Traditional Floor Screed when tested in accordance with the hygrometer test per Appendix B2.2 in AS2455.1: 2007, the screed shall exhibit a relative humidity not greater than 70%.

Resilient Floor Coverings

Easy Mix Traditional Floor Screed when tested in accordance with test method A3.1.2 "Relative humidity in situ probe test" per ASTM F2170 in AS1884:2012 shall exhibit a relative humidity not exceeding 75%.

Easy Mix Traditional Floor Screed when tested in accordance with test method A3.1.3 "Relative humidity surface mounted insulated hood test" per ASTM F2420 in AS1884:2012 shall exhibit a relative humidity not exceeding 70%.

Ceramic Tiles

Easy Mix Traditional Floor Screed when tested in accordance with test method B5 "Electrical Resistance Test" in AS3958.1: 2007 shall exhibit a moisture content of no greater than 5.5%.

Appendix A8 of AS3958.1:2007 cites that sand cement screeds such as Easy Mix Traditional Floor Screed when cured for 7 days and allowed to dry for 14 days can achieve suitable moisture contents per method B5. However determination of suitable dryness should be based upon the Electrical Resistance Test.

CLEAN UP

Clean all tools and equipment with water.

PRODUCT STORAGE

Easy Mix Traditional Floor Screed will keep for up to six months if kept in a dry store, off the ground and providing the bags remain sealed.

High temperature and high humidity conditions may reduce the storage life of the product.

PRECAUTIONS FOR USE

Easy Mix Traditional Floor Screed contains cement powders which can be harmful to the skin.

During use, avoid inhalation of dust and contact with the skin and eyes. Wear suitable clothing, gloves, eye protection and respiratory protective equipment.

If contact with the skin occurs, thoroughly clean the area with plenty of fresh water and soap. In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

For further information consult the Safety Data Sheet and read the product label carefully before use.

Safety Data Sheets are available by phoning 1800 077 744.

PLEASE NOTE

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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