

PRODUCT DATA SHEET

weberdry WP screed

(Formerly known as E.MIX WP SCREED)

Cement-based waterproof mortar for levelling of concrete floor and repair of screeding under interior or exterior conditions

PRODUCT

weberdry WP screed is a specially blended pre-mixed hydraulic cement, waterproofing component and non-reactive aggregate. The product is ready-to-use after mixing with clean water. It is easy-to-apply and useful for levelling rough and uneven concrete floors. The product is shrinkage compensated and used primarily to waterproof concrete floor.

Uses

- Industrial buildings
- Residential and commercial buildings
- Exterior screeding
- Screed repairing

Features and Benefits

- Formulated to comply with Hong Kong Standard, British Standard and Chinese Standard
- Waterproofing: can be used in kitchen and washroom
- Shrinkage compensated : reduce the chance of shrinkage cracks and debonding
- Single component : fixed mixing proportion, ensure the quality of work
- High compressive strength
- Suitable for tiling with **weber tile adhesive** and **tile grout**, or smoothing with **weber self levelling** series products

TECHNICAL DATA

Colour	Grey
Component	Portland cement, non-reactive aggregate, waterproofing and other chemical additives
Max. aggregate size	4.0 mm
Water demand	Approx. 13 – 15% (5.2 – 6 L/40 KG bag)
Density	1.8 KG/L (dry) 2.2 KG/L (wet) for 14% water demand
Pot life	Approx. 1 hour
Thickness	10 – 50 mm
Coverage	Approx. 1.7 kg/m ² /mm
Theoretical consumption	Approx. 1.56 m ² / bag for thickness of 15 mm



PHYSICAL PROPERTIES

Adhesion to concrete	EN 1015 : Part 12	1.4 N/mm ²
Compressive strength	EN 1015 : Part 11	27 N/mm ²
Flexural strength	BS 6319 : Part 3	6.2 N/mm ²
Water absorption	BS 1881 : Part 122	0.1 %
Water permeability	DIN 1048 : Part 5	2.6 mm
Shrinkage		No crack observed

Unless specified, all technical data are average values and refer to 28 days curing time.

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control.

Complied Standards

Hong Kong Standard	: HKHA MTS (2002/2004) Spec. Part D, Cl.2.1.1, 2.1.15
British Standard	: BS 6319 : Part 3 : 1983
Chinese Standard	: JG/T 230 : 2007
German Standard	: DIN 1048: Part 5

PROCEDURE

Substrate Preparations

The concrete substrate must be hard, sound and free from surface contamination.

All dust and contaminants should be vacuumed clean prior to installation.

Contraction joints, construction joints and cracks in the substrate which may be subject to movement after installation of **weberdry WP screed** must be maintained as joints in the new surface.

Before application, dampen the substrate surface with clean water and allow excess water to drain away. It is recommended to wash the floor with high pressure water jet.

Mixing and Installation

Prepare the weber Bond Coat Slurry by mixing with **webertec bond coat** or **webertec EVA** with Ordinary Portland Cement (OPC) and water at a ratio of 2:5:3 (by weight of Admixture : OPC: water). Stir the mixture thoroughly by using an electric mixer.

For installation of weber Bond Coat Slurry, a layer of slurry coat can be applied by brushing on the concrete surface. Subsequent installation of **weberdry WP screed** should be applied on wet and sticky slurry coat.

When the weber Bond Coat Slurry turns dry, apply another fresh layer. Do not apply **weberdry WP screed** on dried Bond Coat Slurry.

Mix a bag of dry mix powder (40 kg) with approx. 5.2 – 6 L (13 – 15%) of water by using electric mixer for 3 – 7 minutes.

Pour **weberdry WP screed** on the floor when the bond coat slurry is still wet and sticky.

weberdry WP screed can be applied in one layer with a maximum thickness of 50 mm.

weberdry WP screed with thickness of 50 – 100 mm should be applied with two coats. The first coat should be left coarse or scratched after applying. The Bond Coat Slurry should be applied on the former layer, which is hardened and stable. Then apply the second layer of **weberdry WP screed** with a maximum thickness of 50 mm.

Mortar level pads are recommended to ensure correct and proper levelling

After 7 days of curing, **weberdry WP screed** is suitable for tiling with receiving the **weberset tile adhesive & tile grout** or smoothing with **weberfloor self levelling** series products.

Please refer to our method statement for procedures in details.

Curing

weberdry WP screed can be cured with wet hessian, polyethylene or spray-on curing compound.

STORAGE AND PACKING

weberdry WP screed is delivered in 40 kg bag. Storage life is 12 months if the product is kept in a dry place.

HEALTH AND SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material.

Material contains cement, which may produce an allergic effect.

Keep out of reach of children.

Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.