



PRODUCT DATA SHEET

weberdry WP screed pumpable

PUMPABLE CEMENT-BASED WATERPROOF LEVELLING SCREED

PRODUCT

weberdry WP screed pumpable 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 with a continuous mixing and pumping machine. 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 floors.

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 the kitchen and washroom
- Pumpable screed suitable for large area application
- Shrinkage compensation: reduces the chance of shrinkage cracks and debonding
- Single component: fixed mixing proportion and site mixing of dry powder are not required to ensure the efficiency and 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

1	Appearance	Grey powder
2	Component	Ordinary Portland Cement (OPC), non-reactive aggregates, waterproof and other chemical additives
3	Max. aggregate size	4.0 mm
4	Water demand	Approx. 14 – 16% (5.6 – 6.4 L/40 kg bag)
5	Density	1.8 kg/L (dry) 2.2 kg/l (wet) for 14 % water demand
6	Pot life	Approx. 1 hour
7	Thickness	10 – 50 mm / layer
8	Coverage	Approx. 1.7 kg/m ² /mm
9	Theoretical consumption	Approx. 1.56 m ² /bag for a thickness of 15 mm

PHYSICAL PROPERTIES

No.	ITEMS	TECHNICAL STANDARDS	INDEX
1	Compressive strength	BS 6319: Part 2, BS EN 1015: Part 11	> 30.0 N/mm ²
2	Tensile adhesion strength	BS EN 1015: Part 12	> 3.0 N/mm ²
3	Flexural strength	BS 6319: Part 3	> 6.0 N/mm ²
4	Water absorption	BS 1881: Part 122	0.2 %
5	Pull-off Test	HKHA/MTS (2022/2024) Spec Part D Clause 2.1.15 (Method 1)	2.6 N/mm ²
6	Shrinkage	HKHA/MTS (2020/2022) Spec Part D Clause 2.1.6 Coutinho Ring	No Crack

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

The above physical data are taken from laboratory tests. In situ, material performance may vary according to environmental & workmanship conditions beyond the manufacturer's control.

Complied Standards

HKHA Standard : MTS Specification Part D Clause 2.1.6 & 2.1.15

British Standard : BS 1881: Part 122, BS 6319: Part 2 & 3

BS European Norm : BS EN 1015: Part 11 & 12

PROCEDURE

SUBSTRATE PREPARATION

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 pumpable** 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 a high-pressure water jet.

PRIMING

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 the application 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 pumpable** should be applied on the wet and sticky slurry coat.

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

MACHINE MIXING AND PUMPING

A continuous mixing and pumping machine (e.g. PFT G4 / G5) is used for the mixing and conveying of the **weberdry WP screed pumpable**.

Individual and continuous clean water supply and electricity supplies are connected to the machine. Clean water is connected to the system, and the machine is switched on, then mixing of prebagged screed can commence.

Dry powder of 40 kg/bag of **weberdry WP screed pumpable** is put into the hopper for feeding materials continuously. With a connected mortar hose, the wet screed material is continuously conveyed onto the substrate till full coverage.

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

weberdry WP screed pumpable in a thickness of 50mm to 100mm, should be applied in two coats. The first coat should be left coarse or scratched after applying. The bonding slurry should be applied on the former layer, which is hardened and stable. Then apply the second layer.

Mortar-level pads are recommended to ensure correct and proper levelling.

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

HAND MIXING

Mix a bag of dry mix powder (40 kg) with approx. 5.6 – 6.4 L (14 – 16%) of water by using an 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 a 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 detail.

CURING

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

STORAGE AND PACKING

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

HEALTH AND SAFETY

Recommend wearing a NIOSH-approved or equivalent particulate face mask when mixing the material.

The material contains cement, which may produce an allergic reaction.

Keep out of reach of children.

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

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

CLEANING & DISPOSAL OF WASTE

Hand tools and power tools equipment can be cleaned first with fresh water before hardening. Material that is over 24 hours old will require mechanical methods for removal from mixer blades, power tools, equipment and hand tools.

Waste attention: All waste and cleaning methods (landfill or incineration) should follow the state, province, city, and the relevant provisions of the place.

* Note: The information and physical data in this catalogue are given to the best of our knowledge under standard testing methods and a controlled environment. The results may vary with different weather/site conditions, workmanship or substrates. This is beyond our control, and we shall not be liable for any faults or consequences arising from or associated with this. We suggest that comprehensive tests be conducted before the final application. Unless specified, all technical data are average values with a 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.