PRODUCT DATA SHEET

weberdry elastic slurry HP

(Formerly known as E.MIX WP HIGH PERFORMANCE ELASTIC SLURRY)

Two-component, elastomeric cementitious coating for interior & exterior waterproofing system complied with class JS I of GB/T 23445

PRODUCT

weberdry elastic slurry HP is a two-component latex modified cementitious coating, which can be simply achieved by mixing a prepacked dry-mixed powder with a formulated flexible latex admixture, and subsequent painting the slurry on various substrates. It protects a wide range of buildings and structural concrete components with excellent resistance to water, aggressive chemicals, long-term weathering and scratching. It is applicable to those structures subject to long-term water immersion.

Uses

- Sealing and waterproofing of walls and floors with protections from weber render and weber screed series or cement mortar
- Applicable for both positive and negative sides of water-receiving substrates
- Suitable for waterproofing of walls and floors in tunnels, basements, water tanks, swimming pools, balconies, terraces and wet rooms such as washrooms and bathroomsAnti-carbonation
- Applicable for substrates subjected to shrinkage, vibration, movement, stress and minor crack formation
- Appropriate substrates: concrete, precast surface, lightweight blocks, shotcrete, etc.

Features and Benefits

- Formulated to comply with Hong Kong Standard, American Standard, German Standard and Chinese Standard
- Easy-to-use
- Applicable to substrates with complex surfaces and shapes
- Applicable under high humidity environment
- Pre-packed component : fixed mixing proportion, ensure the quality of work
- Good workability : simple brush paint
- Rough surface : enhance the adhesion for rendering and tiling
- Non-toxic: environmentally friendly

TECHNICAL DATA

	Part A 25 KG (dry-mixed powder)	Part B 18 L (latex admixture)
Colour	Grey	Milky white
Component	Portland cement, non-reactive aggregate, graded sand and other chemical additives	
Max. aggregate size	0.3 mm	
Mixing ratio	18 L latex admixture/25 KG bag	
Density	1.1 kg/L (dry) 1.3 kg/L (wet)	

SAINT-GOBAIN

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Pot life	Approx. 2 hours
Thickness	0.5 – 1.2 mm in 2 coats
Theoretical consumption	Approx. 22 – 28 m^2/ package

PHYSICAL PROPERTIES

Solid content	GB/T 23445	> 65%
Drying time	– Surface dry – Foot trafficable	< 4 hours < 8 hours
Tensile strength	ASTM D412 – Initial strength GB/T 23445 – Initial strength – Tensile strength after heating (80°C for 5 hours) – Tensile strength after alkaline treatment (10% NaOH for 48 hours) – Tensile strength after water immersion	 1.4 N/mm^2 1.2 N/mm^2 1.9 N/mm^2 1.4 N/mm^2 1.1 N/mm^2
Bond strength	BS EN 13892-8	0.6 N/mm^2
Elongation at break	ASTM D412, BS903 : Part A2 • Elongation GB/T 23445 • Elongation • Elongation after heating (80°C for 5 hrs) • Elongation after alkaline treatment (10% NaOH for 48 hrs) • Elongation after water immersion	 200% 300% 178% 193% 247%
Bridge cracks		1.75 mm
Flexibility	GB/T 23445	No cracking at –10°C
Compatibility	Compatible to tile adhesive and panel wall • 14 days normal curing • 7 days normal curing + 7 days water immersion	 > 950 N > 560 N
Pond test	HKHA Spec. WAT6 M010.4	pass
Water permeability (penetration) Test	DIN 1048 Head of water, 0.5 MPa	0 mm
VOC content	ASTM D3960	< 10g/KG

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
Chinese Standard : GB/T 23445 : 2009
American Standard : ASTM D412, ASTM E96
German Standard : DIN 1048

PROCEDURE

Substrate Preparations

Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination or any traces of foreign materials affecting the adhesion of **weberdry elastic slurry HP**.

Pre-soak the substrate with water.

Mixing and Installation

Empty the latex admixture (18 L) into a bucket, pail or other suitable vessels.

Add the dry-mixed powder (25 KG) gradually to the admixture and avoid lump formation until a smooth consistent mixture is achieved.

Stir gently using an electrical mixer with mixing time of 5 – 7 minutes.

Apply the slurry onto the substrate with a total thickness of 0.5 – 1.2 mm by using a block brush, squeegee or roller in a 2-layer stifling action. The second coat must be applied after the first coat is dried for approximately 30 minutes – 1 hour.

weber RENDER or **weber SCREED** series should be applied on the **weberdry elastic slurry HP** as a protective layer.

Please refer to our method statement for procedures in details.

Curing

Natural air curing is enough for **weberdry elastic slurry HP**. It is recommended to wait for 7 days for extra weight to be hung on top of the **weberdry elastic slurry HP** for wall. Water leakage test can be started after 4 day's curing.

STORAGE AND PACKING

weberdry elastic slurry HP is delivered in 25 kg bag of dry-mix powder and 18 L/drum of admixture. 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.