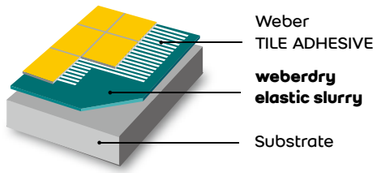
weberdry elastic slurry

Two-component, medium elastomeric cementitious coating for interior & exterior waterproofing systems



weberdry elastic slurry is a two-component latex modified cementitious coating, which can be simply achieved by mixing a pre-packed 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 or Weber SCREED series or cement mortar
- Applicable to 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 bathrooms
- Anti-carbonation
- Applicable to substrates subject to shrinkage, vibration, movement, stress and minor crack formation
- Appropriate substrates : concrete, pre-cast surface, lightweight blocks, shotcrete, etc.

Features and Benefits

- Formulated to comply with American 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

Complied Standards

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

Packaging

25kg powder / bag and
9 L emulsion / drum

Storage life

12 months
if the product is kept in dry condition and stored in the original unopened packaging.

* 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.

Technical Data

	Part A	Part B
	25 KG (dry-mixed powder)	9 L (flexible 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	9 L latex admixture/25 KG bag	
Density	1.1 KG/L (dry) 1.6 KG/L (wet)	
Pot life	Approx. 2 hours	
Thickness	0.5 – 1.2 mm in 2 coats	
Theoretical consumption	Approx. 16 – 21 m^2/package	

Physical Properties

Solid content	GB/T 23445	> 75%
Drying time	- Surface dry - Foot trafficable	< 3 hours < 6 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/mm² 1.06 N/mm² 0.88 N/mm² 2.31 N/mm² 1.75 N/mm²
Adhesive strength to concrete (under moisture condition)	GB/T 23445	0.7 N/mm²
Elongation at break	ASTM D412 - Elongation	36%
Water impermeability pressure	GB/T 23445 - Head of water, 0.3 MPa for 30 minutes - Head of wate on the negative side	 Watertight 0.8 N/mm²
Water Vapour Transmission	ASTM E96 - Front Face (Permeance) - Rear Face (Permeance)	 2.89 x 10-7g/ Pa•s•m² 2.02 x 10-7g/ Pa•s•m²
Suitability for use in contact with portable water	BS 6920 section 2 - Odour and Flavour - Appearance - Growth of aquatic micro-organisms - Extraction of substances that may be of concern to public health - Extraction of metal	 Complied Complied Complied Complied Complied

Procedures

Substrate Preparations

- Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of weberdry elastic slurry.
- Pre-soak the substrate with water.

Mixing and Installation

- Empty the latex admixture (9 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 3 – 4 hours.
- Weber RENDER or Weber SCREED series should be applied on the weberdry elastic slurry as a protective layer.
- Please refer to our method statement for procedures in details.

Curing

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

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