

PRODUCT DATA SHEET

weberep rapifast thin

(Formerly known as E.MIX RAPIFAST THIN)

Rapid hardening smoothing coat with high compressive and adhesive strength

PRODUCT

weberep rapifast thin is a thin layer of rapid setting surface smoothing product. It hardens in 1 – 1.5 hours with high compressive and adhesive strength. The product can be applied in thickness of 0 – 10 mm. It is used to make levelling and gradient levelling layer, as well as horizontal and vertical repairs for floors, walls or stairs. It allows forming ramps and coves, cracks filling, and surface covers in few hours.

Uses

- Rapid setting floor surface smoothing
- Make levelling and gradient levelling layer
- Allow surface cover in few hours
- Horizontal and vertical repairs for floor, wall or stairs
- Form ramps and coves
- Fill cracks

Features and Benefits

- Rapid hardening : hardened in 1 – 1.5 hours, reduce disturbance to users
- High fluidity : reduce application time
- Application thickness: 0 – 10 mm
- High compressive and adhesive strength
- Single component : fixed mixing proportion, easy to handle for repair works
- Shrinkage compensated : reduce the chance of shrinkage cracks
- Monolithic bond adhesion and compatible to parent concrete
- Durable : can be used in interior and exterior areas.
- Non-toxic : environmentally friendly
- No chloride content

TECHNICAL DATA

Colour	Grey (similar to concrete)
Component	Portland cement, fast setting cement, non-reactive aggregate, inert fillers, polymer powder and other chemical additives
Water demand	Approx. 26 – 30% (2.6 – 3.0 L/10 KG bag)
Density	1.1 KG/L (wet) for 28% water demand
Pot life	Approx. 30 minutes, depending on the temperature and humidity
Initial setting time	Approx. 40 – 60 minutes, depending on the temperature and humidity
Thickness	0 – 10 mm
Coverage	Approx. 1.15 kg/m ² /mm

PHYSICAL PROPERTIES

Compressive strength	- 1 day - 28 days	17 N/mm ² 27 N/mm ²
Bond strength		> 1.0 N/mm ²
Shrinkage		No cracks observed
VOC Content		< 5 g/L

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.

PROCEDURE

Substrate Preparations

Substrates must be clean and structurally sound, free from contamination, loose particles, dirt, grease, oil, sealers, curing compounds and laitance, etc.

Priming

weberprim moisture sealer should be applied to the prepared surface by using a soft brush.

Mixing and Installation

weberep rapifast thin is formulated for easy and simple mixing and application, using conventional concreting or plastering techniques.

Mix a bag of dry-mixed powder (10 KG) with approx. 26 – 30% (2.6 – 3.0 L) of water by using an electrical mixer for 3 – 5 minutes.

Mix thoroughly until the material is homogeneous and in the desired workability, **weberep rapifast thin** must be applied within 30 minutes.

weberep rapifast thin can be applied in one layer from feather edge to 10 mm.

Apply **weberep rapifast thin** by trowelling mode to the desired thickness. Make ramps or levelling according to the site requirements

Please refer to our method statement for procedures in details.

Curing

Water mists is preferred but not always necessary for interior application. However, water mist is required under the extreme hot or dry weather condition.

STORAGE AND PACKING

weberep rapifast thin is delivered in 10 KG bag. Storage life is 6 months if the product is kept in 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.