PRODUCT DATA SHEET

weberdeko base

(Formerly known as E.MIX BASE)

Water resistant premixed cement based sprayable plaster for thin application in interior and exterior conditions

PRODUCT

weberdeko base is a high quality water-resistant cement-based thin plaster especially designed for thin plastering or surface improvement works to concrete and blockwalls or as a final coat on plastering surface. With its excellent durability and stability under weathering conditions, **weberdeko base** is a reliable and suitable skim coating material to be applied on substrates such as fair faced concrete, rendered walls and also drywalls. **weberdeko base** is suitable for both dry and wet interiors and exteriors. **weberdeko base** can directly receive paint.

Uses

Interior thin wall rendering
Exterior thin wall rendering
Panel thin wall rendering
Ceiling thin plastering

Features and Benefits

Formulated to comply with European Norm, British Standard and Chinese Standard
Single component: fixed mixing proportion, ensure the quality of work
Specific design for thin spray plastering
Shrinkage compensated: reduce the chance of shrinkage cracks
Mould resistance, water resistance
Suitable as a skim coat to receive paint
Compatible to cementitious **weber render** series products

TECHNICAL DATA

Colour	Grey, White
Component	Portland cement, non-reactive fillers, graded sand and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Hand application: Approx. 26 – 28% (10.4 – 11.2 L/40 kg bag) Spray application: Approx. 28 – 30% (11.2 – 12 L/40 kg bag)
Density	1.3 kg/L (dry) 1.6 kg/L (wet) for 27% water demand

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Pot life	Approx. 1 hour
Thickness	2 – 4 mm for 1 coat 5 – 8 mm for 2 coats
Coverage	Approx. 1.3 kg/m^2/mm
Theoretical consumption	Approx. 3.9 kg/m^2 for thickness of 3 mm Approx. 10.25 m^2 /40 kg bag for thickness of 3 mm

PHYSICAL PROPERTIES

Adhesion to concrete	EN 1015 Part 12, HKHA MTS FIN M790.C, JG/T 157 - Initial adhesion strength - Adhesion strength after heat ageing - Adhesion strength after water immersion - Adhesion strength after freeze-thaw cycle	 ≥ 1.0 N/mm^2 ≥ 0.7 N/mm^2 ≥ 0.7 N/mm^2 ≥ 0.7 N/mm^2
Compressive strength	EN1015 Part 11	≥ 5 N/mm^2
Flexural strength	EN1015 Part 11	≥ 3 N/mm^2
Shrinkage	Coutinho Ring, HKHA MTS (2002/2004) Spec. Part D, Cl. 2.1.6	No cracks observed
Water resistance	JG/T 157, GB/T 1733	Resistance to water immersion
Water retentivity	BS 4551	> 99%
Alkaline resistance	JG/T 157, GB/T 9265	Resistance to alkaline immersion
Formaldehyde content	GB18582	< 0.1 g/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
European Norm : EN 1015
British Standard : BS 4551, BS 6319
Chinese Standard : JC/T 157, GB/T 1733, GB/T 9265, GB18582

PROCEDURE

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 **weberdeko base**.

Moisten the substrate the night before and also at the time before the commencement of operation. Neither stagnant water nor continuous water flow on substrate is allowed immediately prior to plastering.

When the substrate is concrete of high fly ash content, the surface should be sealed with **weberprim moisture sealer** before hand.

Mixing and Installation

Mix a bag of dry-mixed powder (40 KG) with appropriate amount of water (depending on the application mode) by using an electrical mixer for 3 – 7 minutes. For hand application, add approx. 26 – 28% (10.4 – 11.2 L) of water; for spray application, add approx. 28 – 30% (11.2 – 12 L) of water.

A pumping machine is used for the pumping and spraying of **weberdeko base**. This machine would only accept wet materials and separate mixing is required.

Plaster in thickness of 2 – 4 mm can be applied in one coat.

Plaster in thickness of 5 – 8 mm can be applied in two separate coats on the same day, namely the respective thickness of the first coat and the second coat is 4 mm. The first coat has to be 80 – 90% dried or touched hard before the application of the second coat. Each coat should preferably not exceed 4 mm. The maximum thickness allowed to be applied on 1 day shall not be more than 8 mm in thickness over the same plaster area.

Wait for 1 – 2 hours to release air bubbles from the substrate, a thin coat of plaster with thickness of 1 mm for final finishing.

A European smoothening spatula with blade length of 300 – 600 mm is used for levelling and smoothening of thin plaster, and forming a smooth, flat and free of blemishes surface.

Plastered surface for painting or for wallpaper should be smoothened by spatula. For better quality of paint work, it is recommended to wait for at least 3 days to reduce the alkalinity before painting.

(Please refer to our Method Statement for procedures in detail.)

Curing

Natural air curing for **weberdeko base** is enough. 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

weberdeko base 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.

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.

Keep out of reach of children.

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