

## PRODUCT DATA SHEET

# weberdeko finish

Water resistant and pre-mixed cement-based skim coat for interior and exterior conditions

### PRODUCT

**weberdeko finish** is a specially blended pre-mixed powder for thin and final coat plaster finish on wall and ceiling or on plastering surface. It is a water resistant plaster which can be used in dry and / or wet interior and exterior conditions. It is suitable for hand application on concrete, lightweight concrete, GRC blockwork and rendered surfaces but not on painted surfaces. The surface can be further polished by ultra-fine sand paper to obtain an extra smooth surface.

### Uses

Interior and exterior skim coat for ceiling and wall  
 To be applied on plastering surface  
 To be applied on pre-cast wall panel or smooth concrete surface

### Features and Benefits

Formulated to comply with European Norm, British Standard and Chinese Standard  
 Single component : fixed mixing proportion, ensure the quality of work  
 Highly workable  
 Mould resistance, water resistance  
 Suitable as a skim coat to receive paint  
 Extra smooth finishing after polish  
 Compatible to cementitious products

### TECHNICAL DATA

Colour	Grey, White
Component	Portland cement, non-reactive fillers and other chemical additives
Max. aggregate size	0.5 mm
Water demand	Approx. 38 – 40% (9.5 – 10 L/25 KG bag)
Density	1.1 KG/L (dry) 1.1 KG/L (wet) for 39% water demand
Pot life	Approx. 1 hour
Thickness	0.5 – 2 mm
Coverage	Approx. 1.2 KG/m <sup>2</sup> /mm
Theoretical consumption	Approx. 1.2 KG/m <sup>2</sup> for thickness of 1 mm Approx. 21 m <sup>2</sup> /25 KG bag for thickness of 1 mm

## PHYSICAL PROPERTIES

Adhesion to concrete	EN 1015 Part 12, HKHA MTS FIN M790. C , JG/T 157 - Initial adhesion strength - Adhesion strength after water immersion - Adhesion strength after heat ageing - Adhesion strength after freeze-thaw cycle	> 1.0 N/mm <sup>2</sup> > 0.7 N/mm <sup>2</sup> > 0.7 N/mm <sup>2</sup> > 0.7 N/mm <sup>2</sup>
Compressive strength	EN 1015 Part 11	> 6 N/mm <sup>2</sup>
Flexural strength	EN 1015 Part 11	> 2 N/mm <sup>2</sup>
Shrinkage	Coutinho Ring, HKHA MTS (2002/2004) Spec. Part D, Cl. 2. 1. 6	No cracks observed
Resistance to mould growth	BS 5980 Appendix B	No mould growth
Water resistance	JC/T 157	Resistance to water immersion
Water retentivity	BS 4551	> 99%
Alkaline resistance	JC/T 157	Resistance to alkaline immersion
Formaldehyde content	GB18582	< 0.1 g/KG

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

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control.

### **Compiled Standards**

European Norm: EN 1015 : 2000

British Standard : BS 4551 : 2005, BS 6319 : 1983, BS 5980 : 1980 Appendix B

Chinese Standard : JG/T 157 : 2009, GB 18582 : 2001, JG/T 3049 : 1998 Type SZ N

## 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 **weberdeko finish**.

Substrate is to be moistened the night before, and also at the time before the installation.

When the substrate is high fly ash concrete, it is advised to apply a layer of **weberprim moisture sealer** on the concrete as interface modification to reduce the effect to its cover material.

### **Mixing and Installation**

Mix a bag of dry mix powder (25 KG) with approximately 9.5 – 10 L (38 – 34%) of water by using an



electrical mixer for 3 – 7 minutes.

**weberdeko finish** should be used within 1 hour after mixing.

**weberdeko finish** of 0.5 - 2 mm thick can be applied in one coat.

Wait for 1 – 2 hours to allow air bubbles release from the substrate. Trowel a thin layer of 0.5 – 2 mm thickness for final finishing.

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

Plastered surface for painting or for wallpaper should be smoothed 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 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**

**weberdeko finish** is delivered in 25 KG bag. Storage life is 12 months if the product is kept in dry place.

### **HEALTH AND SAFETY**

Recommend to wear NOISH 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.

\* 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.