PRODUCT DATA SHEET

webertec bond coat

(Formerly known as E.MIX BOND COAT ADMIX)

Styrene Butadiene Rubber (SBR) latex admixture for use with cement as a bond coat slurry for plastering and screeding purposes

PRODUCT

webertec bond coat is a high performance liquid latex admixture formulated to mix with Ordinary Portland Cement (OPC) as bond coat slurry which promotes adhesion of renders, plasters and floor screeds to building surfaces. The alkaline environment of bond coat slurry can protect embedded steel reinforcement. **webertec bond coat** can be used to enhance adhesion strength of cement sand mortar and spatterdash.

Uses

- Mix with cement as bond coat slurry to promote the adhesion of renders, plasters and floor screeds
- As a protection slurry for steel reinforcement
- Enhance the adhesion strength of mortar and spatterdash

Features and Benefits

- As a mortar modifier to enhance the adhesion and cohesion strength of render and screed
- Improve the cohesion strength of mortar
- Excellent bonding to concrete, masonry and panel walls
- No chloride content

TECHNICAL DATA

Colour	White emulsion
Component	Styrene Butadiene Rubber (SBR) emulsion
Specific gravity	1.02 g/cm^3
pH value	Approx. 8 – 9
Minimum application temperature	5°C

PHYSICAL PROPERTIES

	Bond Coat Slurry / Steel Protection Slurry	Spatterdash (Extra strength)	Repair mortar
Bond coat slurry	50 KG	10 KG	9 KG
Cement	50 KG	50 KG	50 KG
Sand	-	100 KG	125 KG
Water*	-	15 - 30 KG	9 KG
Consumption of **webertec bond coat**	0.17 – 0.2 L/m^2	0.06 – 0.15 L/m^2**	1.3 – 3.4 L/m^2
Coverage	5 – 6 m^2/L	6 – 17 m^2/L	0.3 – 0.8 m^2/L
Adhesion to concrete	2.5 N/mm^2	≥ 2.0 N/mm^2	≥ 2.0 N/mm^2
Compressive strength	-	≥ 30 N/mm^2	≥ 30 N/mm^2
Flexural strength	-	≥ 6 N/mm^2	≥ 6 N/mm^2

SAINT-GOBAIN

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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.

* Adjustment of water demand is necessary for different moisture contents and qualities of sand.
** Spatterdash consumption may vary highly depending on spreading pattern.

Complied Standards

Hong Kong Standard	: HKHA MTS(2002/2004 Spec. Part D, Cl. 2.1.1, 2.1.2, 2.1.15)
British Standard	: The above standard is based on BS 6319

PROCEDURE

Substrate Preparations

The concrete substrate should be clean, structurally sound, adequately true and level to achieve specified tolerances, free from contamination, loose particles and any foreign materials which may affect the material's bonding to the substrate.

Before application, dampen the concrete surface with clean water and allow excess water to drain away.

Installation of Bond Coat Slurry

Prepare the bond coat slurry by mixing **webertec bond coat** with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a homogeneous slurry is obtained.

For installation of bond coat slurry, a layer of slurry coat can be applied by brushing on the concrete surface. Subsequent installation of mortar should be applied on wet and sticky slurry coat.

For steel reinforcement, a layer of bond coat slurry can be applied by brushing on the exposed steel surface, and allows it to dry before next installation. A new coat of bond coat slurry should be applied again before subsequent installation of mortar.

When the bond coat slurry turns dry, apply another fresh layer. Do not apply mortar on dried bond coat slurry.

Installation of Spatterdash

Prepare the spatterdash by mixing **webertec bond coat** with OPC, sand and water at a ratio of 1:5:10:1.5 *(by weight). Stir the mixture thoroughly by using an electrical mixer until a homogeneous slurry is obtained.

Spatterdash can be achieved by simply spreading on concrete substrate dampened with water.

Installation of Repair Mortar

Prepare the repair mortar by mixing **webertec bond coat** with OPC, sand and water at a ratio of 1:5.6: 14:1 (by weight). Stir the mixture thoroughly by using an electrical mixer.

Apply repair mortar while the surface of substrate is still damped with bond coat slurry.

Please refer to our method statement for procedures in details.

Curing

Water curing is necessary for spatterdash on the first 2 days.

STORAGE AND PACKING

webertec bond coat is delivered in 20 L drum. Storage life is 12 months if the product is kept in a dry place. Prevent storage under extreme condition. Stir before use.

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.