

PRODUCT DATA SHEET

webertec EVA

(Formerly known as E.MIX EVA ADMIX)

Ethylene Vinyl Acetate Liquid Admixture for use with cement as a concrete surface enhancer for plastering and screeding purposes

PRODUCT

webertec EVA is a high performance ethylene vinyl acetate liquid admixture formulated to mix with Ordinary Portland Cement (OPC) as concrete surface modifier which promotes adhesion of renders, plasters and floor screeds to building surfaces. The polymer does not contain aromatic group which prevents the chance for sunlight and heat break down. The **webertec EVA** is highly suitable for exterior use. It can be used to enhance adhesion strength of cement sand mortar and spatterdash.

Uses

- Mix with cement as concrete surface modifier 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 surface modifier to enhance the adhesion of render and screed
- Improve the cohesion strength of the mortar
- Excellent bonding to concrete, masonry and panel walls
- Chloride free

TECHNICAL DATA

Colour	White emulsion
Component	Ethylene Vinyl Acetate emulsion
Specific Gravity	1.02 g/cm ³
pH Value	Approx. 4 – 5
Minimum application temperature	5°C

PHYSICAL PROPERTIES

	Bond Coat Slurry / Steel Protection Slurry	Spatterdash
webertec EVA	50 KG	10 KG
Cement	50 KG	50 KG
Sand	-	100 KG
Water*	-	30 KG
Consumption of webertec EVA (L/m ²)	0.17 – 0.2 L/m ²	0.06 – 0.12 L/m ^{2**}
Coverage (m ² /L)	5 – 6 m ² /L	7 – 17 m ² /L

Adhesion to concrete	$\geq 2 \text{ N/mm}^2$	$\geq 2 \text{ N/mm}^2$
Compressive strength	$\geq 30 \text{ N/mm}^2$	$\geq 30 \text{ N/mm}^2$
Flexural strength	$\geq 6 \text{ N/mm}^2$	$\geq 6 \text{ N/mm}^2$

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 : 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 EVA** with Ordinary Portland Cement (OPC) at a ratio of 1:1 (by weight). Stir the mixture thoroughly by using an electrical mixer until a grey 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 EVA** with OPC, sand and water at a ratio of 1:5:10:3* (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.

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 EVA 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.

CLEANING & DISPOSAL OF WASTE

Cured material can be removed mechanically, if uncured, material can be removed with water. Dispose of waste in accordance with legislation.

* 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.