Valley V-Bond SB-R

- Description：

is a versatile bonding agent and admixture for use with cementitious materials. It is used to improve adhesion and strength of cementitious compounds. It is also widely used to produce waterproof mortars and slurries.

Valley V-Bond SB-R is a non-toxic, non-flammable, modified styrene butadiene latex. When blended with cement based compounds it provides the following benefits: • Excellent adhesion • Improves durability • Reduces permeability to water and salts • Increased flexural and tensile strength • Compatible with all hydraulic cements • Cost efficient

- Areas of application :

Priming coat: Blend according to chart into a smooth slurry and apply to a damp substrate. Apply finish before priming coat dries.

Repair Mortar: Blend according to chart into a smooth paste suitable for repair from 5-40mm.

Floor screeds: Blend according to chart to a stiff cohesive consistency. Suitable for screeding from 10- 25mm.

Waterproof render: Blend according to chart to a suitable consistency. Apply by trowel from 5-10mm.

Waterproof tanking compound: Blend according to chart to a brushing consistency. Apply by brush/trowel 2mm.

Tile/brick mortar: Blend according to chart to a firm consistency. Recommend thickness 5-40mm.

-Technical Data :

Product	Water resistant polymer admixture.
Binder	Styrene butadiene
Specific Gravity	1.02 - 1.05
Solid Content	46% approximately
pH Value	8.0 – 8.5
Compressive Strength (repair mortar mix design)	25 N/mm2 (2 days) 39 N/mm2 (7 days) 50 N/mm2 (28 days)
Flexural Strength (repair mortar mix design)	6.3 N/mm2 (2 days) 8.1 N/mm2 (7 days) 12.3 N/mm2 (28 days)
Bond Strength (tanking compound mix design)	2.3 N/mm2 (7 days dry cure) 1.7 N/mm2 (7 days dry + 7 days wet cure)
Water Vapour Permeability tanking compound mix design)	100grs/m2 24hrs (2mm film)
Coverage	1st coat consumption 1-1.5 kg/m2 on damp surface. 2nd coat consumption 0.8 - 1 kg/m2 approx.
Waiting Time / Over Coverage	+10°C ~ 12 hours - +20°C ~ 6 hours - +30°C ~ 3 hours
Stability	Stable if kept frost-free
Properties	Non-toxic, non-crystallising, non-flammable
Packaging	20 KG paper bag + 5 KG plastic pile
Storage	12 months in original unopened containers

- For waterproofing or damp proofing application, always use at least 2 coats to give a total thickness of between 1.0 to 1.50 mm. In areas of severe water penetration, three coats might be required.

HEALTH & SAFETY : Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.