



斯巴達建材有限公司

SPARTAN CONSTRUCTION MATERIALS LIMITED

SPARTAN Acrylic Latex

DESCRIPTION

SPARTAN Acrylic Latex is a specially formulated liquid which contains acrylic resin polymer to strengthen cement based products, cement screeds and render.

USES

- Mix with neat cement as slurry bond
- Coat to fix render or bed tiles over uneven concrete.
- Mix as an additive (in place of water) in conventional cement sand plaster and screed and mortar to increase flexibility and shear bond strength.
- Used in wet areas like swimming

ADVANTAGES

- Increase water resistance of cement sand screed by more than 50% -100%.
- Increase strength of tile bedding, especially for heavy stones.
- Designed for fixing tiles to external facades.
- Suitable for trafficable or heavy duty areas.
- Non-toxic and environmentally friendly.

TECHINICAL DATA

● Appearance	White Liquid
● Pot Life (Mortar Mix)	30 - 40 mins
● Open time at 20° C	5 - 15 minutes
● Curing time at 20° C	24 hours
● Tensile Bond Strength	> 2 MPa
● Application Temperature	5° C to 45° C

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

SURFACE PREPARATION

All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and other loose or contaminating materials.

Painted surfaces must be scabbled / abraded to expose at least 75% of the original substrate.

New concrete surface must be allowed to cure for at least 6 weeks and wood float finish. Rendered surface must be allowed to cure for at least 7 days.

Expansion joints coinciding with joints in the substrate should be incorporated at the design stage at a maximum of 5 meters spacing and must not be tiled over. Movement joints that are 6mm wide can be filled with appropriate sealant.



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MIXING & APPLICATION

For general plastering and screeding to received tiles.

Type of Application	Cement : Sand (1 part : 50kg)	SPARTAN Acrylic Latex
Slurry Bond	(1:1)	Dilute with water 1:1
Coat	(1:2)	Dilute with water 1:2
Plaster (Base Coat) 5 - 6mm	(1:3)	Dilute with water 1:2
Plaster (Final Coat) 14 - 15mm	(1:3)	Dilute with water 1:2
Screed (Thick Bed 20 mm)	(1:3)	Dilute with water 1:2

- For slurry bond coat, dampen the substrate before splashing the mix on. The slurry bond coat should not be more than 2mm thick.
- For floor screed with cement: sand ratio of 1: 3, the amount of water needed can be replaced totally by SPARTAN Acrylic Latex for optimum performance.
- Plaster and Render should be applied using a flat trowel and must not exceed 13mm in one application. For thicker applications more than 13mm; apply the plaster or render in layers.

For improving bonding and water resistant

Type of Application	Cement : Sand (1 part : 50kg)	SPARTAN Acrylic Latex
Primer (for higher absorbent surfaces)	Nil	Dilute with water 1:2
Thin Coating	(1:1)	Dilute with water 1:1

MIXING & APPLICATION - For Thin Bedding of Tiles

Always pre-blend the cement/sand mix separately. Sand used shall be fine sand of 0.5mm diameter fine silica sand.

Put the SPARTAN Acrylic Latex liquid in a clean mixing container before adding the pre-blended cement/sand mix thoroughly and let the adhesive stand for 10 minutes, then remix. During use, remix mortar occasionally.

Spread adhesive using proper notched trowel. For tile with grooves or ridges, it may be necessary to butter coat the back of the tile so that proper adhesions and support occurs.

PACKAGING

20 litres pail

SHELF LIFE

Shelf life at least 12 months, stored in a cool, dry place in the original unopened container.

HEALTH & SAFETY

This product is non-toxic. In case of excessive skin contact, flush with plenty of water. If ill effects occur, please seek medical attention immediately.