

Flooring Application :

This concerns the use of **SI LATEX PLUS** concrete screeds and topping over background concrete.

SI LATEX PLUS : Minimum dosage we recommended. There are guide formulations table by using **SI LATEX PLUS** according to the work requirements and mixer should be concrete mixer with pan type to be used.

Pour the required quantity of sand, cement and aggregate and dry bland to gather for (3-5) minutes with slow speed with (400-500) Rpm and add the premix **SI LATEX PLUS** as we recommended. Add water slowly until the required homogenous consistency is achieved with the required workability.

Poured the screed based on **SI LATEX PLUS** modified mix placed over the applied wet bond slurry compact and level with screed bar and finish with steel float.

Finishing :

SI LATEX PLUS mortar can be finished by using steel, plastic or wooden float, or by damp sponge finish to achieved desired surface texture. Avoid additional water to the surface during the finishing surface.

Curing :

SI LATEX PLUS mortars and screeds should be taken for appropriate curing after finishing. Non-degradable type of curing compound may be used.

Safety :

wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done. The cured materials have excellent adhesion and are therefore difficult to remove. The hardened materials should be cleaned mechanically.

Storage & Shelf Life :

has 12 month in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, direct in the sun or humid area.

Health & Safety :

Toxicity: Nontoxic and odorless.

Flammability :

Nonflammable

Inhalation :

During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

Skin Contact :

Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap.

Eyes Contact :

In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately Do not vomiting.

TECHNICAL DATA

S.no	Name of test	Result	Test method
1	Color and appearance	White milky liquid	--
2	PH	80.-10	
3	Density kg/Ltr.	1.0±0.05	ASTM 1475
4	Solid content, [%]	48±1	ASTM D- 2939
5	Flexural strength (N/mm ²) 7 days	12±1	ASTM C-580
6	Tensile strength(N/mm ²) 7 days	>7	ASTM C-307
7	Compressive strength (N/mm ²) 28 days	42±1	ASTM C-190
8	Slant Shear strength (N/mm ²)	>6	ASTM C-882
9	M.F.F.T	0°	--
10	Temperature resistance (°C)	-25 to +100°C	--
11	Freeze Thaw resistance passes 5 cylces -10°C	Excellent	--
12	Application temperature (substrate) (°C)	+5 to 40	--

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI LATEX PLUS SBR

صناعة
سعودية
MADE IN KSA



SI INSULATION

LATEX PLUS is a one component Styrene butadiene rubber latex bonding agent. It is characterized with high bonding strength, water and chemical resistance. **LATEX PLUS** mixing with cementitious admixtures it creates high adhesion to the substrate with superior elasticity, permeability, and flexure resistance.

Field of Application :

LATEX PLUS can apply for bonding of new to old concrete, tile bedding, basements, swimming pools, potable water tanks, sludge tank, internal and external wall, exposed and decoupled roofs, sealing and expansion and backing to marble and granite to prevent water ingress and surface staining, to protect from carbonation and chloride attack, etc.

Packaging :

available in **5 Ltr. & 20 Ltr.**

Application Method :

Minimum thicknesses which can be apply by using **LATEX PLUS** (6-40) mm according to the nature and shape and size of the area which can repair. From the extremities of the application area to depth at least 10mm to avoid feather. The entire surface must be clean, sound and free from dust and rust. Remove all laitance, oil and grease, and all the loose particles. Remove all the excess or loose material by using a wire brush or treatment of broom. The surface must be prepared by mechanically scrubbing, brushing, or blasting which will give clean exposed concrete surface. Make sure all the surface must be cured by tap water till it reaches to saturated surface into dry conditions. However surface must be free from water.

Advantages :

- ☑ Easily to use.
- ☑ Excellent bonding strength.
- ☑ Excellent adhesion and resist salt and chemical attack.
- ☑ Reduces shrinkage.
- ☑ Reduces water absorptions.
- ☑ Long lasting.
- ☑ Non toxic.
- ☑ Increase mortar wear resistance.
- ☑ Improve abrasion and chemical resistant.

Mixing :

Selection of materials:
Cement- cement must be ordinary Portland cement.
Sand- should be washed and well grade.
Aggregate- should be granite chips with the size of 3-6mm.
Ratio of **LATEX PLUS**
10 Liter / 50 KG of cement.
Standard mortar (sand:cement) 3:1

SLURRY BOND

The surface should be thoroughly soaked with clean water let it dry
A slurry bond should be prepared consisting of 1 volume **LATEX PLUS** to 1 volume Clean Water to 3 volumes OPC Cement. Mixing with a low speed mixing Minimum (2-3) minutes are required for stirrer until a uniform consistency is achieved that can apply stiff brush, roller or trowel. Make sure entire surface must be primed, no pinhole are visible. Do not thick coat more than 2mm, if second coat is necessary previous coat must be completely dry and second coat must be perpendicular to the first coat.

Dosage Table :

ITEM	SLURRY BOND By Volume %	Patching & Repair mortar	Floor Screed	Render	Tiles
OPC Cement	3	50	50	50	50
Clean Sand		150	75	150	125
Aggregate 3-6mm		-	75	-	
IZOLATEX SBR	1	5-10Ltr	5-10Ltr	5-10Ltr	5-10Ltr
WATER	1	7-10 Ltr	5-10Ltr	5-10Ltr	7-10 Ltr

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