



HS Advanced Latex Plus

Premium SBR based polymer for repair and waterproofing

Product composition: HS Advanced Latex Plus is a Styrene-Butadiene Latex based liquid for high performance waterproofing and multi-purpose repair work.

USP

Features	Benefits
Usability	Easy to use, non-toxic and slightly plasticising mortar
Cost-effectiveness	Rebound loss is minimum, when used as bonding agent
Permeability	Prevents seepage and dampness
Chemical resistance	Reduces susceptibility to acids and greases
Bonding	Shows good bonding with concrete, brick and stones etc.
Strength	Increases mechanical strength of mortar and hence inhibits cracking
Durability	Improves surface hardening and provides durability
Anti-efflorescence effect	Provides minor protection against saltpetre action

Usage area

As waterproof repair plaster. As bond coating – concrete-to-concrete, plaster-to-plaster, and over brickwork.
As crack repair – plaster cracks around or more than 5 mm, in gaps between RCC structures and masonry.
As coating for corrosion prevention of rebars.

DIRECTIONS FOR USE

Surface preparation: Surface to be treated must be thoroughly cleaned from all kind of laitance, oils, grease etc. Mechanical means such as shot blasting, wire brushing can be used followed by vacuum cleaning of all loose materials. Make sure that the surface is damp but touch dry before application.

Usage precautions

Do not dilute beyond recommendation. To be applied over damp substrate but in a track-free condition. Waterproof coats must be protected with plasters/screeds. Not recommended for use in very critical concrete repairs while applying as a bond coat, if it becomes dry, re-apply to reach a tacky state for overlaying of concrete/mortar.

Application Areas	Mix Ratio HS Advanced Latex Plus : Water : Cement	Application Method
As Waterproofing Slurry : Residential water tanks, Terraces, DPC, Chajjas, Bathrooms As Bond Coat : concrete-to-concrete, plaster-to-plaster, plaster over brickwork	1 : 4 : (6 to 8)	As Waterproofing Slurry: Brush apply the 1st coat . While 1st coat is dry, apply 2nd coat (generally give 4-6 hrs between 2 coats). Overlay the 2nd coat with screed/plaster for finish/protection. As Bond Coat : Brush apply the 1st coat. When the coat is tacky, apply the concrete/plaster as per requirement. Do not add liquid (Advanced Latex Plus : Water = 1:4) to the dry cement. Mix 1 kg. of HS Advanced Latex Plus with pre-measured water for 50 kgs. of cement. Use this mix to add to the recommended dry plaster mix. Plaster mixes to be made as per the requirement. Keep water - cement ratio as per the requirement, but not more than 0.45.

As waterproof repair plaster		For Waterproof Repair Plaster: For better application apply a bond coat with HS Advanced Latex Plus as suggested earlier. 2nd/final layer of plaster must not be mixed with the HS Advanced Latex Plus. Add HS Cementmix Plus to the second coat plaster. Scratch the 1st coat surface for effective bond with the 2nd coat.
As Crack Repair Plaster : plaster cracks around or more than 5 mm. In gaps between RCC structures and masonry	1 : 4 to 6 : (As required)	For Crack Repair: Clean the cracked area properly from all loose impurities. Wet the crack completely with water. Apply a single bond coat made as per the mixing ratio mentioned earlier. Prepare the crack repair plaster as per the ratio mentioned along side. Fill the crack with the above prepared mortar. Compact it into the crack fully and finish to level with trowel.
For Efflorescence-free Plaster	1 : 4 : (7)	Rusted rebars must be thoroughly worn out mechanically. Brush apply a single coat of prepared mix over the rebars. Apply concrete / mortar when the coat is tacky.
As coating for corrosion prevention of rebars	1 : 4 : (7)	Brush apply the 1st coat on brick. Apply 2nd coat after 1st one is dry. Apply plaster when the 2nd coat is tacky.

TECHNICAL DATA

Properties	Specifications
Type	Styrene Butadiene Polymer Liquid
Aspect	White liquid
Specific Gravity	1.02 ± 0.02
Dry Content (%)	44.0 ± 1.0
pH	7 – 9
Bond Strength, 14 Days (ASTM C–882)	6.5 ± 0.5

PRODUCT INFORMATION

Shelf life	12 months from the date of manufacturing in unopened condition.	Health and Safety Precautions	Avoid prolonged skin contact. Cementitious mortars and slurries mixed with HS Advanced Latex Plus, may release alkali which can be harmful to skin and eye. Hence, necessary precautions should be taken along with respiratory protective equipment.
Coverage	75 – 85 ft ² /kg for 2 coats with a proportion mix 1 : 4 : 7 (HS Advanced Latex Plus : Water : Cement).		Avoid contact with foodstuff and utensils. In case of eye /mouth contamination, wash thoroughly with plenty of clean water immediately and seek medical advice. Keep out of children's reach.
Storage	Free from frost. Store in a cool and dry place. Prevent from direct sunlight.		
Packs	500 gms, 1 kg, 5 kgs, 20 kgs.		

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