MYMIX® Building Materials

TECHNICAL DATA SHEET

SUPER LATEX 770

High Quality Super Latex

(Ref. MBPL / TDS / SL770 / 0225 / R2)

Product Description

SUPER LATEX 770 is a Styrene Butadiene Rubber (SBR) Latex designed for use as a bonding agent, waterproofing additive, and polymer modifier in cementitious applications. Its unique formulation improves adhesion, durability, and flexibility of mortars and concretes. Ideal for patching, repair, rendering, screeding, and other applications where enhanced performance and water resistance are required.

Special Features

- **Enhanced Bond Strength :** Provides excellent adhesion to concrete, mortar, and masonry substrates.
- **Water Resistance :** Reduces permeability and improves resistance to water ingress.
- **Improved Mechanical Properties :** Increases tensile, flexural, and impact strengths.
- **Versatile Use :** Suitable for bonding coats, waterproof coatings, cementitious mortars and polymer-modified concrete.

MYMIX BUILDPRO PRIVATE LIMITED
(ISO 9001:2015 CERTIFIED COMPANY)

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MEMBER

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Application

- Bond Coat for new-to-old concrete and mortar.
- Waterproof Coating for roofs, terraces, basements, and wet areas.
- Cementitious Mortar for patching, repair, rendering, and overlays.
- Concrete Mortar (polymer-modified) for screeds, toppings, and floors.
- Tile adhesive modifications for improved durability and performance.
- Crack Filling & Injection Grouts.

Advantages

- **Superior Adhesion :** Bonds strongly to a wide range of substrates.
- **Durability :** Improves resistance to weathering, chemicals, and abrasion.
- **Reduced Shrinkage :** Minimizes cracking and crazing in mortars.
- **Enhanced Workability :** Makes mixes more cohesive and easier to finish.
- **Compatible with Common Cements :** Works with OPC, PPC, and other hydraulic cements.

Suitable Substrates

- Concrete (old and new).
- Cementitious renders and screeds.
- Masonry (brick, stone, block).
- Plaster surfaces.

Coverage

Coverage varies according to application, substrate porosity, and thickness :

- **Bond Coat :** Approx. 180 - 220 sq.ft / kg per coat
- **Waterproof Coat :** Approx. 70 - 80 sq.ft / kg per 1mm thickness.
- **Cementitious Mortar / Concrete Mortar :** Dependent on layer thickness; typically, 18–20 kg of mix per m^2 at 10 mm thickness.

Note: Above results are as per standard conditions, Actual coverage might vary.

Packing

- Available in **1 litre, 5 litre** & **20 litre** (Bigger packing sizes are available on request)

Shelf Life

- Factory sealed packs are best before 12 months from the date of manufacturing in unopened condition and stored in cool & dry area.

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How to Apply

Surface Preparation

- **Clean & Sound Substrate :** Remove loose particles, dust, oil, and other contaminants.
- **Roughen Smooth Surfaces :** Use mechanical methods (e.g., scarifying, wire brushing or grit blasting) to create a suitable key.
- **Pre-wet the Substrate :** Saturate the surface with water, ensuring no standing water remains before application of any mortar or slurry.

Mixing

Use the following mix proportions as a guide. Ratios are expressed by parts by weight

Application	Super Latex 770	Water	Cement	Sand (0 - 3 mm)	Coarse Aggregate (8 - 10 mm)
Bond Coat	1	4	6	-	-
Waterproof Coat	1	4	8	-	-
Cementitious Mortar	1	3	10	30	-
Concrete Mortar	1	3	10	25	25

Mixing Procedure

- Pre-mix water with SUPER LATEX 770.
- Gradually add cement, sand, and aggregates (if applicable).
- Mix thoroughly until a uniform, lump-free consistency is obtained.
- Avoid over-mixing; use prepared mix within 20-30 minutes.

Application

- **Bond Coat**

  a.) Brush or spray a thin, even layer of the bond coat mix onto the damp substrate.
  b.) While still tacky, place the new mortar or concrete.

- **Waterproof Coat**

  a.) Apply the first coat using a stiff brush or roller.
  b.) Allow to partially cure (approx. 4–6 hours).
  c.) Apply the second coat at right angles to the first for uniform coverage.

- **Cementitious Mortar (Repair Rendering)**

  a.) After priming (bond coat if needed), apply mortar in layers not exceeding 15 - 20 mm per pass.
  b.) Compact and level the mortar, then finish with a steel or wooden float.
  c.) Use proper curing methods to prevent rapid drying, cover with damp burlap or plastic sheets if required.

- **Concrete Mortar (Screeds Toppings)**

  a.) Place the modified concrete onto the prepared substrate.
  b.) Consolidate and level to the required thickness.
  c.) Trowel or float to desired finish.
  d.) Cure adequately to achieve maximum strength and durability.

Technical Data

General Properties

Testing Parameters	Result
Appearance	Milky White Liquid
Solid Content	38 + 1%
pH	9 + 1
Specific Gravity	1.03 + 0.01
Bond Strength (ASTM C1059)	>1.5 MPa
Tensile Strength Enhancement	30 - 40% improvement in modified mortars
Chloride Content	< 0.1%
Workable Time (Pot Life)	20 - 30 min

Standards Followed

- **ASTM C1059 -** Latex agents for bonding fresh to hardened concrete.

Precautions

- Apply a UV-resistant topcoat for outdoor applications.
- Keep out of reach of children.
- Wear suitable protective cloths, respirator and gloves.
- In case of contact with skin/eyes, wash immediately with plenty of water & seek medical help.