

PRODUCT DESCRIPTION

η-Bond™ MC-76 is a premium quality, high-performance, 100% styrene-acrylate emulsion specifically engineered for modifying cementitious mixtures, mortars and concrete repairs. It delivers exceptional inherent toughness, pigment-binding capability, superior UV and alkali resistance, making it the industry benchmark for high-durability architectural overlay and structural restoration systems.

KEY BENEFITS

Exceptional Adhesion: Significantly upgrades tensile bond strength onto old concrete, masonry and diverse mineral substrates.

Mechanical Strength: Improves both flexural and tensile properties while limiting shrinkage cracking.

Weather & UV Stability: Pure acrylic backbone provides world-class resistance to discoloration and degradation.

Excellent Workability: Enhances the rheology and trowel-ability of wet cement mortars, minimizing water demand.

PHYSICAL PROPERTIES

Typical properties of the emulsions as supplied. These values do not constitute standard product specifications.

Property	η-Bond™ MC76
Polymer Type	Styrene-Acrylate Emulsion
Solid Content (%)	46.0 – 48.0
pH Value @25°C	8.0 – 10.0
Viscosity (@25°C @100RPM, #62 SPINDLE)	Max 500 cps
Minimum Film Forming Temp (MFFT)	≈ 6°C to 10°C
Tg (Glass Transition Temperature)	≈ 3°C to 5°C
Specific Gravity (g/cm ³ at 25°C)	≈ 1.100
Appearance	Milky White Emulsion with Blue Tinge

APPLICATIONS

Industrial floor screeds, wearing overlays and heavy-duty concrete repair mortars.

Architectural cementitious coatings, textured finishes and structural renders.

Bonding slurries for joining fresh concrete to cured structural substrates.

Grout, patch and joint-filling compounds requiring peak durability.

STORAGE AND SHELF LIFE

Storage Conditions: Must be kept in their original tightly sealed containers. Store in a cool, dry, well-ventilated indoor space shielded from direct sunlight and extreme climatic variations.

Temperature Control: Maintain storage temperatures strictly between 5°C and 40°C. **PROTECT FROM FREEZING.** Exposure to temperatures below 0°C will trigger irreversible polymer coagulation rendering the product unusable.

Shelf Life: Under pristine and unopened storage conditions, η-Bond™ MC76 possesses a standard shelf life of 12 months from the documented date of manufacture.

PACKAGING

To support varying industrial, distribution and construction project demands, emulsions are uniformly made available across global distribution lines in the following standard package formats:

Industrial Bulk Delivery: Road Tankers / Bulk ISO tank containers (for large-scale blending plants).

Intermediate Bulk Containers (IBC): 1,000 Liter heavy-duty composite tote tanks.

Standard Tight-Head Drums: 200 kg HDPE drums.

Pails & Canisters: 25 kg / 30 kg retail / contractor plastic pails (available through regional packaging lines).