

Product Description

Mighty Bond® is a high solids acrylic liquid bonding agent that substantially improves adhesion, impact, shear bond, tensile, flexural and compressive strength of unmodified concrete, mortars, patches and grouts. Mighty Bond® exceeds the physical property requirements stated in ASTM C1059 "Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete."

When/Where to Use

Mighty Bond® is a versatile bonding agent intended for a broad range of applications. Use with mortars, patches, grouts and underlayment's when improved bond strength, freeze-thaw and salt resistance, and reduced water permeability is desired. Mighty Bond® is concentrated so it can be diluted at the job site for extra convenience and savings.

Advantages

- Substantially improves bond strength and adhesion
- Versatile when using with mortars, patches, grouts and underlayment's
- Adds excellent freeze/thaw and salt resistance properties
- Creates more durable cement based materials
- Easy to use -simply dilute with water
- Polymer has excellent UV resistance

Typical Yield

See General Mixing Ratio Chart for more information. Coverage will vary depending on use.

Packaging

1 gallon and 5 gallon

Helpful Items:



Gloves Brush Squeeze Water Roller



Safety Glasses Pail

Surface Preparation

All surfaces must be structurally sound and non-flexing. Remove all dust, waxes and sealers, old adhesive residues, curing compounds, oils or other foreign materials prior to application. Existing concrete surfaces should be fully cured, free of hydrostatic pressures and efflorescence. Chip, sandblast or hammer out loose, poorly bonded substrates prior to making repairs. Always follow the preparation steps for the product being modified with Mighty Bond®.

Mixing and Application

Slowly stir Mighty Bond® before use. Do not create bubbles or foaming by shaking the product. Depending on the project or product needs, dilute Mighty Bond® according to the guidelines below. Protect new surfaces from use until material is completely hard and set.

Curing

- Refrain from using curing/sealing compounds over patching materials for a minimum of two weeks.
- Protect patches from rapid drying on hot, windy days.

Product Tips

Do not use Mighty Bond® modified mixes when the ambient air or surface temperature is below 40° F (4°C) within 24 hours. High relative humidity, excessive moisture and low temperatures will retard the curing of Mighty Bond® modified mixes.

- Do not use air-entrained cement mixes or with air entraining admixtures
- Do not over mix or aerate mixes

PROTECT FROM FREEZING



General Mixing Ratios For Mighty Bond®

Typical Mix Ratios	Mix Ratio		Total Liquid
	Water	Mighty Bond®	
<i>product</i>		<i>quarts</i>	
80 lb Preblended Mortar	3	3	≈ 6
60 lb Preblended Mortar	2 ½	2 ½	≈ 5
60 lb Concrete Mix	1 ¾	1 ¾	≈ 3 ½
60 lb Sand Mix	2 ¼	2 ¼	≈ 4 ½

Shelf Life	One year - unopened
Storage Conditions	Store dry at 40-95°F. Protect from freezing
Color	White, when wet

Note: When higher performance is required ratio of Mighty Bond® may be increased to meet project requirements.

WARNING: INJURIOUS TO EYES!

KEEP OUT OF REACH OF CHILDREN!

- Use with proper ventilation
- Shade and protect patch in windy and/or hot weather conditions
- Clean trowel frequently during application. Do not over trowel areas.

Clean Up

Typically water will satisfactorily clean tools after using Mighty Bond®. If the material has begun to harden, warm soapy water may be helpful for cleaning hands and tools.

Warning

Avoid contact with eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating with warm, soapy water. Do not take internally. Keep out of reach of children. Need to protect from freezing. If frozen thaw out slowly. Stir material to remix. if liquid is not smooth, DO NOT USE.