



The World's Greatest New Age Construction Materials

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IRN – Concrete Patch™

**THE INDUSTRY LEADING TECHNOLOGY:
 TWO COMPONENT ACRYLIC POLYMER MODIFIED
 IDEAL FOR TOPPING, UNDERLAYMENT FOR OVERHEAD AND WALL REPAIRS**

IRN – Concrete Patch:

The industry leader in polymer modified mortar technology. Polymer modified to improve bonding, chemical resistance, water resistance. Exhibits excellent tensile, compressive and flexural strengths.

Advantages

- Modern polymer technology creates industry leading bonding
- Interior and exterior use
- Application thickness from Featheredge to 3 inches
- No Moisture cure required
- Can be applied by trowel, or used as screed underlayment
- Excellent resistance to moisture penetration
- High shear strength

Primary Applications:

• Suitable for rubber tired forklift and vehicle traffic	• Bonds to wet, or damp concrete
• Repair and resurfacing of substrates	• Use as topping or underlayment
• Protects reinforcing steel	• Concrete repair
• Can be used on wall, floor or overhead	• Ideal patch for spalls and honeycomb

Product Description:

Material is packaged in pre-measured kit yielding 0.41 cubic feet (0.014M³)
 Standard Color: Cement Gray

TECHNICAL INFORMATION:

Compressive strength:	ASTM C-109	7 Days > 4,000 Psi 28 Days > 7,000 Psi
Flexural Strength:	ASTM C-348	28 Days >1,500 Psi
Slant Shear Strength:	ASTM C-882	28 Day >1,803 psi

APPLICATION INFORMATION

Pot Life:	>40 Minutes (@77°F/25°C)
Recoat Time for Epoxy Coating:	Minimum: 24 hours (@77°F/25°C) Maximum: Unlimited

Commercial Lining Solutions



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Preparation:

All surfaces must be clean and structurally sound; free of dust, grease, oil, paint, sealers, etc. Pores of the concrete surface must be open to permit proper bonding, especially on fresh “green” concrete. Any necessary surface preparation may be done by high pressure waterblasting, shotblasting, scarifying, sandblasting or acid etching. If acid etch is used, be sure to neutralize surface, clean and brush thoroughly. For heavy traffic applications, mechanical abrasion of the surface is recommended. Concrete surfaces should be surface saturated but dry to touch (SSD).

Mixing:

Can be mixed in a mortar mixer, with a heavy duty low-to-medium speed drill or by hand. Always use a clean mixing container.

- As Underlayment or to apply by mason's brush:
Use One bag of proprietary powder mix to one full gallon of supplied polymer liquid
- As trowelable, non-sag material:
Use One bag of proprietary powder mix to approximately 75-80% of gallon of supplied polymer liquid

Application:

Mason's brush, mortar hawk, concrete finishing trowels, broad knives are recommended.

Material can be transferred to the surface by utilizing appropriate spray equipment

If thicker, trowelable mix is being used, the remaining liquid not incorporated into mix should be brush applied to substrate as a wetting adhesive primer.

Trowel can also be moistened with same polymer liquid to lubricate the trowel. Damp sponge can be used to smooth out trowel licks and create smooth aesthetic surface.

If being applied on concrete block, it is recommended to use a slurry mix of the IRN – Concrete Patch and to apply with a mason's brush to ensure it penetrates well into the porous surface. It can also be sprayed onto substrate and back brushed to work it into pores.

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