



Ranger Patch RD-12

Damp Concrete Patch

TECHNICAL DATA SHEET

DESCRIPTION

Ranger Patch RD-12 is a heavy duty high compression strength floor patch for repairing and resurfacing damp, damaged plant floors. It renews and repairs spalled and damaged floors, fills and eliminates damaged expansion joints, and anchors machinery.

FEATURES

- Cures on damp concrete, however, standing water must be removed
- 100% epoxy resin base with a catalyst hardener and special blended aggregate
- 15,500 psi compression strength
- Withstands heavy, abusive traffic
- Absorbs vibration and shock without cracking
- Excellent for expansion and contraction applications
- Can be used for patching areas contaminated with animal fats and petroleum oils/greases
- Highly resistant to acids, alkalies, solvents, heat and cold
- Extra-long wearing – permanent and resilient
- Self-leveling – minimal trowel work
- Bonds to concrete, steel and wood
- Single kit covers 10-12 sq. ft. at 1/4" thick (1/3 cu. ft.) (1 quart Part A, 1 pint Part B, and one 12 lbs. bag special blend aggregate)

HOW TO USE FOR A CLEAN, SOUND SURFACE:

Before patching, follow these procedures: RD-12 will cure in damp and wet locations, however, any standing water must be removed prior to application.



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HOW TO USE (CONT.)

1. Ready floor by removing all loose material. Sweep away dirt. Degrease areas which have a thick build-up of grease.
2. Remove the large and small cans from the container. Mix the dry aggregate for uniformity.
3. Pour one can Part B into one can Part A (for lesser amounts, one Part B into two Parts A by volume). Mix a few minutes, then add the dry aggregate (Part C) slowly while continuing to stir until the desired consistency is achieved.
4. Fill holes, cracks, crevices to level of existing floor. Feather edges with a trowel. Wet trowel with epoxy thinner and finish off to a smooth surface.
5. RD-12 dries in 10-15 hours for light traffic and 48-72 hours for heavy. At a solid 1/4 inch thickness it will completely cover 10-12 square feet.

NOTE: All 3 parts of RD-12 are packaged in a 5 gallon pail; the resin in a quart can, the catalyst in a pint can - the balance (approximately 12 lbs) is aggregate.

SPECIFICATIONS

	Part A	Part B	Part C
Physical Form	Viscous Liquid	Liquid Hardener	Granules
Color	Clear to Light Amber	Clear	Gray
Odor	Acrylate	Amine	N/A
Specific Gravity	1.13	1.0	70 lb/ft
Flash Point (TCC)	200+°F	200+°F	None



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