

SPEED CRETE® RED LINE

FAST SETTING PATCHING MATERIAL

DESCRIPTION

SPEED CRETE RED LINE is a fast setting, cement-based concrete and masonry patching compound. SPEED CRETE RED LINE is a proprietary formulation of blended portland cements, finely processed selected aggregates, and specific chemical additives. SPEED CRETE RED LINE, when combined with the correct amount of water, undergoes a chemical "hyper hydration" and produces a stable, low permeability, cementitious matrix.

PRIMARY APPLICATIONS

- Interior and exterior
- Vertical, overhead and horizontal repairs
- Used at no slump consistency
- Outstanding repair material for concrete pipe, curbs, sidewalks, formed and precast concrete

FEATURES/BENEFITS

- Initial set in 8 to 10 minutes
- Final set within 20 minutes
- May be "shaved" to desired shape
- High strength
- Excellent durability
- Compatible with Galvanic Anodes

TECHNICAL INFORMATION

Material Properties at 75°F (24°C)

Compressive Strength, psi (MPa) ASTM C 109

24 Hour	2,550 (17.6)
7 Day	5,290 (36.5)
28 Day	6,100 (42.1)

Set Time, ASTM C 266

Initial	8 Min
Final	20 Min

Tensile Strength, psi (MPa) ASTM C 190

7 Day Ave.	309 (2.1)
28 Day Ave.	395 (2.7)

Flexural Strength, psi (MPa) ASTM C 78

28 Day Ave.	918 (6.3)
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Shear Bond Strength, psi (MPa) ASTM C 1042

24 Hour Ave.	906 (6.2)
7 Day Ave.	1,084 (7.5)

Freeze Thaw Durability Factor ASTM C 666

310 Cycles	96.75%
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Shrinkage 50% RH ASTM C 157

28 Day Ave.	-0.143%
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Expansion 100% RH ASTM C 157

28 Day Ave.	0.077%
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Scaling Resistance ASTM C 672

25 Cycles	0% loss
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Chloride Permeability ASTM C 1202

1300 coulombs	low
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Values presented are typical and not necessarily referenced to create specifications.

PACKAGING

SPEED CRETE RED LINE is packaged in 50 lb (22.7 kg) poly-lined bags, and 50 lb (22.7 kg) pails.

SHELF LIFE

1 year in original, unopened package.

COVERAGE

One 50 lb (22.7 kg) bag yields approximately 0.5 cu ft (0.014 m³). With the addition of 40 lbs (18.14 kg) of 3/8 inch (0.95 cm) pea rock the yield is approximately 0.7 ft³ (0.02 m³).

DIRECTIONS FOR USE

Surface Preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to a minimum depth of 3/4" (1.9 cm) to achieve a surface profile equal to CSP 6 - 7 in accordance with ICRI Guideline 03732. Properly clean profiled area. **Priming:** Clean and prime exposed steel with DURALPREP AC. Concrete should be primed with a spray or brush coat of DURALPREP AC. Alternately, a Saturated Surface Dry (SSD) concrete surface can be primed with a scrub coat of SPEED CRETE RED LINE. The repair must be made before the scrub coat dries out.



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An RPM Company



Mixing: SPEED CRETE RED LINE will require approximately 5 to 5.5 qts (4.73 to 5.20 L) of potable water per 50 lb bag (22.7 kg) to achieve the proper mix consistency. Pour the measured amount of water into a clean mixing container, then add the measured amount of SPEED CRETE RED LINE, and thoroughly mix for no more than 60 seconds to a stiff, no slump, putty-like consistency. Mix small quantities of SPEED CRETE RED LINE in a clean pail with a hand trowel. Use a rotary mixer with rubber tip blades for mixing quantities up to 100 lbs. (45.4 kg). To fill patches 2 inches (5.1 cm) deep or greater, add clean, pre-dampened, 3/8 inch (.96 cm) size pea gravel or chip stone to the SPEED CRETE RED LINE. Do not use limestone aggregate. The mix ratio must not exceed 40 pounds (18 kg) of rock to each 50 lb (22.7 kg) bag or pail of SPEED CRETE RED LINE. **Mixing procedure:** start mixer, load water, load rock, then load the SPEED CRETE RED LINE. Mix for no more than 60 seconds.

Application: To ensure complete bond with the entire surface, force the SPEED CRETE RED LINE firmly into the SSD area by hand or with a trowel. Slightly overfill the patch, and following initial set, shave the material to conform to the contour of the surrounding surface. Always shave SPEED CRETE RED LINE toward the common bonding edge between the patching material and the existing surface. Cure material using standard curing practices. For additional information, contact your local Euclid Chemical representative.

Cold Weather Installation: Application at temperatures below 40°F(4°C) extends the set time. Heating the patch area until warm, using warm water for mixing and tenting or insulating the patch area after application will assist in reaching higher strength development. Do not use direct heat on the patch after its installation.

CLEAN-UP

Clean application tools and mixing equipment with water immediately following use.

PRECAUTIONS/LIMITATIONS

- Store covered storage away from all moisture.
- Mix no more than 60 seconds.
- Use only potable water with SPEED CRETE RED LINE.
- Mix to a stiff, putty-like, no slump consistency.
- Do not re-temper or add sand to SPEED CRETE RED LINE.
- Do not overwork or overtrowel patching material.
- Do not featheredge SPEED CRETE RED LINE.
- Clean mixing equipment between batches.
- In all cases, consult the Material Safety Data Sheet before use.

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.