

## SPECCRETE® G-30 FAST SETTING COLD WEATHER PATCHING MORTAR

**PRODUCT DESCRIPTION:** Speccrete® G-30 Concrete Patch is a cementitious, non-shrink, rapid setting patching material that requires only the addition of potable water for mixing. G-30's versatility makes it ideal for general purpose repairs including fills, patching, resurfacing and leveling in both interior and exterior applications.

**BENEFITS:** FORMULATED FOR FAST STRENGTH GAIN AND SET...IDEAL IN COLD WEATHER CONDITIONS DOWN TO 30 DEGREES F...HIGH COMPRESSIVE STRENGTH...LIGHT GRAY END COLOR.

**COMPOSITION:** Portland cement, selected aggregates and chemical accelerants.

**TECHNICAL DATA:**

<b>WORKING &amp; PERFORMANCE PROPERTIES @ 70° F (21° C) (APPROXIMATE)</b>	
Yield per 55 lb. Bag:	0.48 cubic feet
Coverage per 55 lb. Bag:	24 square feet at ¼ inch thickness
Initial Set per ASTM C-403:	6-8 Minutes
Final Set per ASTM C-403:	10-12 Minutes

<b>Compressive Strength per ASTM C-109</b>	<b>Results</b>
3 hours:	1250 p.s.i. (15.4 Mpa)
1 day:	2350 p.s.i. (28.9 Mpa)
7 days:	5250 p.s.i. (64.5 Mpa)
28 days:	7000 p.s.i. (86.1 Mpa)

<b>Flow of Mortar at 5 minutes per ASTM C-109:</b>	106 %
<b>Slump per ASTM C-143:</b>	3.0

<b>Tensile Strength per ASTM C-190</b>	<b>Results</b>
7 days:	357 p.s.i. (4.4 Mpa)
28 days:	630 p.s.i. (7.7 Mpa)

<b>Scaling resistance per ASTM C-672:</b>	Visual rating = 1 (25 cycles)
<b>Freeze-thaw Durability Factor per ASTM C-666:</b>	97.10 (300 cycles)

\* All tests above run at 13.65 % water to powder ratio (7.5 lbs. water / 55.0 lbs. G-30)

**DIRECTIONS FOR USE:** All areas to be patched shall be clean and free of oil, grease, dirt, deteriorated concrete and all contaminants. Clean and prime any exposed steel and reinforcing. Abrade or acid etch slick surfaces to ensure proper bond. When the temperature is above 40°F, pre-wet the prepared area with potable water before applying Speccrete G-30. Any excess water should be blown or swept away to prevent dilution of the material.

Speccrete G-30 will require 3.5 to 3.75 quarts of potable water per 55 # bag to achieve proper mix consistency. Mix small quantities in a clean container with a hand trowel or in a wheelbarrow with a mud hoe. Use a rotary mixer with rubber tip blades for mixing large quantities. Do not mix more than two bags (110 lbs.) at one time. For deep areas over 1", G-30 may be extended with up to 20 lbs. of clean, washed, 3/8" pea gravel per 55 lb. bag. Do not mix more material than can be placed in ten minutes. Do not re-temper with additional water. Place G-30 immediately after mixing. Apply by trowel method taking care not to over trowel the fresh material. Protect the freshly placed G-30 from traffic, rain, freezing and hot sun.

**DIRECTIONS FOR USE (CONTINUED):** Properly cure G-30 with water mist or Specco curing and sealing compounds. G-30 will support light foot traffic in four hours and vehicle traffic after setting over night.

**CAUTIONS:** Do not mix more material than can be placed in ten minutes. Use only potable water for mixing. Do not re-temper. Do not apply to frozen or frost filled surfaces. Preheating the application substrate and pre-conditioning the mixing materials at warm temperatures will help speed set times in sub freezing weather conditions.

**WARNINGS:** Contains cement and silica, avoid inhalation of dust. Wear gloves, safety goggles, and OSHA approved dust respirator during mixing and placement. Refer to product M.S.D.S. (Material Safety Data Sheet) for additional safety information. Do not take internally. Avoid prolonged contact with skin. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.**

**NPCS HMIS SAFETY RATINGS:** HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, P. PROTECTION = E

**PACKAGING:** 55# (25 kg) bags and pails

**STORAGE:** 40° to 90° F

**SHELF LIFE:** 1 year properly stored

**FREIGHT CLASS:** Item #42130, Sub 0, LTL 50- Cement based patching material in bags or pails

**LIMITED WARRANTY:** This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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