

SPEC MIX® INTEGRAL WATER REPELLENT (IWR) ADMIXTURE



Proprietary Water Repellent and Shrinkage Control Mortar Admixture

DESCRIPTION

SPEC MIX IWR admixture is a high quality, stable blend of complex organic and inorganic polymers on a siliceous base which, when added to mortar, minimizes shrinkage, controls efflorescence, increases the plasticity of mortar and stucco mixes and imparts water repellency properties to the cured mortar/stucco. Its chemical action retains mixing water in mortar/stucco long enough for proper hydration without shrinkage.

USE

SPEC MIX IWR is added to mortar used on all types of masonry units to prevent premature loss of mixing water, increase workability and to allow mortar to develop water repellent properties. Shrinkage is controlled. Mortar joints are tight.

The passage of water through masonry units dissolves salts of sodium, calcium and potassium, carrying these salts to the surface of the unit. The salts then crystallize to form efflorescence, an objectionable deposit on the masonry surface. SPEC MIX IWR admix provides efflorescence control during construction by preventing excessive absorption and diffusion of water through masonry units.

Typical uses include below grade construction, such as foundation and basement walls, and above grade structures such as retaining walls and storage tanks.

TECHNICAL DATA

Test Results		
	Ref.	SPEC MIX IWR ADMIX
Water Repellency 2" Cubes, ASTM C109		
¼" Immersion, 1 hour Relative Absorption, %	100	57
Total Immersion, 2 hours Relative Absorption	100	65

ADDITION RATES & PROPORTIONS

Add 10 pounds of SPEC MIX IWR admixture (dry) per 3,000-pound batch. This is based on 700-800 total pounds of total cementitious per 3,000 pound batch.

PACKAGING / PALLET

50-pound polylined bags, 48 bags per standard pallet

ORDERING

Contact Leah Cory at SPEC MIX, Inc. 888-773-2649,
Fax: 888-329-7732

STORAGE

40 TO 90°F. Protect from moisture.

SHELF LIFE

2 years in original sealed containers, in protected storage.

CAUTIONS

Do not use below 40°F or above 95°F. Follow practices recommended by ACI guidelines. Do not use with other additives without prior testing.

ENVIRONMENTAL AND SAFETY PRE-CAUTIONS

Contains silica aggregate. Do not breathe dust. May cause delayed lung injury (Silicosis). IARC reports Crystalline silica may cause cancer in humans. In case of eye contact, flood eyes with potable water and call a physician. **DO NOT RUB EYES.** Wash skin thoroughly after handling and before smoking or eating. Use adequate ventilation. Sweep up spilled powder and handle as non-hazardous nuisance dust according to local regulations.

READ MATERIAL SAFETY DATA SHEET BEFORE USING. MATERIAL IS FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN AND ANIMALS. EMERGENCY RESPONSE PHONE NUMBERS ARE (800) 862-2667

TECHNICAL SERVICE

For other questions not answered herein please contact:
SPEC MIX INC at 888-773-2649.

WARRANTY

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