

METRO MIX 240 AE

Description

ProSpec® Metro Mix 240 AE is an air entrained super plasticized high performance (ready mix) concrete mix with corrosion inhibitor.

Features

- Engineered to meet commercial/ industrial ready mix specifications
- Super plasticized for higher slump and compressive strengths
- Ideal for projects requiring small structural concrete applications
- Exceeds ASTM C 387
- Contains corrosion inhibitor
- High strength
- Replaces ready mix truck where access is restricted
- Full depth repairs 1.5" (38 mm) or greater
- Pumpable
- Improved freeze/thaw resistance
- Excellent workability

Uses

Structural applications and full depth repairs:

- Highways
- Structural piers
- Bridge decks
- Balconies
- Parking garages
- Slabs
- Industrial floors
- Foundations

Technical Data

Compressive Strength ASTM C 39		Length Change ASTM C 157	
1 day	>2,000 psi (14 MPa)	Dry	-0.04%
7 days	>5,000 psi (34 MPa)	Wet	+0.02%
28 days	>6,000 psi (41 MPa)		

Preparation

1. Clean area and remove all unsound concrete, grease, oil, paint and any other foreign materials that will inhibit performance.
 2. Slick or sealed surfaces must be thoroughly roughened.
 3. Sides must be squared off.
 4. Clean all reinforcing steel to bare white metal and coat with ProSpec Rebar Coat.
 5. Surface should be brought to a saturated surface dry (SSD) condition with clean potable water.
- NOTE: It is the responsibility of the installer/applicator to ensure that test areas are performed to determine the suitability of the product for its intended use.

Refer to

- ACI 302 [Guide for Concrete Flooring and Slab Construction](#)
- ACI 304 [Guide for Measuring, Mixing, Transporting and Placing Concrete](#)

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Mixing

1. The use of a mechanical mixer is recommended.
2. Mix up to 2.5 quarts (2.25 L) of clean potable water per 50 lb. (22.7 kg) bag. Mix up to 4 quarts (3.7 L) of clean potable water per 80 lb. (36.3 kg) bag.
3. Mix thoroughly for 3 to 5 minutes.
4. Clean mixer often to prevent a build up of material.
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Placement

1. Immediately place the blended material into the properly prepared area.
2. Maintain a minimum thickness of 1.5" (38 mm).
3. Compact to eliminate voids.
4. Forms may be removed after 8 hours.

Curing

Standard concrete finishing and curing practices should be followed as described in ACI Manual of Concrete Practice.

Refer to

- ACI 308 [Standard Practice for Curing Concrete](#)

Color

Gray

Yield

- 50 lb. (22.7 kg) bag = 0.37 cu. ft. (0.012 cu. m)
80 lb. (36.3 kg) bag = 0.61 cu. ft. (0.02 cu. m)
145 lbs. = 1 cu. ft. (2322 kg/cu. m)



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Best Performance

- Apply when air or substrate temperature is between 40° F (4° C) and 100° F (38° C) within 24 hours of application.
- Do not add aggregate.
- Avoid over watering.
- For repairs less than 1.5" (38 mm) use ProSpec® Premium Patch 100.
- Do not mix more material than can be placed in 30 minutes.

NOTE: Proper application and installation of all ProSpec products are the responsibility of the end user.

Packaging

50 lb. (22.7 kg) bags and 80 lb. (36.3 kg) bags

Shelf Life

One year from the date of manufacture.

Caution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Product is alkaline and may burn or irritate upon contact with eyes or skin. Do not take internally. Use of safety goggles, rubber gloves and dust respirator is recommended. Avoid prolonged

contact with clothing. This product contains crystalline silica. Take measures to contain and reduce dust. Prolonged exposure to crystalline silica may cause silicosis or other serious delayed lung injury.

Avoid breathing dust. For prolonged exposure wear a respirator approved for protection against crystalline silica dust. Crystalline silica has been classified by IARC and NTP as a carcinogen.



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First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes and SEEK IMMEDIATE MEDICAL ATTENTION. For skin contact, wash thoroughly with soap and water. If swallowed,

SEEK IMMEDIATE MEDICAL ATTENTION. For additional information, call Bonsal American at 704-525-1621 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA.

Refer to Material Safety Data Sheet (MSDS) for further information.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal American's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAL AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND. Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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