

# MAXIMIZER<sup>®</sup> CONCRETE TECHNICAL INFORMATION

## DESCRIPTION

MAXIMIZER Concrete is a specially formulated high yield, high strength mixture of structural lightweight aggregate, and cement.

## FEATURES

- 67 % More by Volume than Standard Concrete Mix
- High Strength
- Single Component
- Exceeds Applicable Provisions of ASTM C 387
- Excellent Workability
- Enhanced Internal Curing Properties

## APPLICATIONS

- High-rise structural applications and repair
- Ideal for elevated slabs and walkways
- Construction and repair for parking garages and bridge decks
- Replacement for Ready Mix – no pump needed

## SAFETY

Read and understand the MSDS before using this product. KEEP OUT OF REACH OF CHILDREN.

## MIXING

The use of a mechanical mixer is recommended. For each 80 lb (36.2 kg) bag of MAXIMIZER Concrete Mix, add approximately 2 $\frac{1}{3}$  gallons of clean water. Add a little water at a time. A "batter-like" mix is normal (approximately 4"- 6" slump). Avoid a "soupy" mix as this will lead to reduced strength and may lead to cracking or dusting. Mix thoroughly for a minimum of 5 minutes. Clean mixer often to prevent a buildup of material.

## PLACEMENT

Immediately place the mixed MAXIMIZER Concrete Mix into the properly prepared area. Always place MAXIMIZER Structural Concrete Mix in full depth, working from one side of the placement area to the other, maintain a minimum thickness of 2 inches. Be sure the MAXIMIZER Concrete Mix has been properly consolidated to eliminate voids. Forms may usually be removed after 24 hours in normal weather conditions.



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Product codes: 80 lb. 5050 ; 40 lb. 5052 ; 50 lb. 5328

## FINISHING

Immediately after screeding the concrete, float the surface of the concrete smooth using a wooden float. This process should only involve making a few passes over the concrete. Excessive floating at this point will bring excess fines and water to the surface weakening it. This process is not the final troweling. Bleed water may not appear on the surface of the placed MAXIMIZER Concrete Mix, due to the absorptive nature of the aggregate.

## CURING

The recommended method of curing MAXIMIZER Concrete Mix is to wet the concrete thoroughly and cover with plastic sheet. For additional information please refer to ACI 308.

## YIELD

Yield  
80 lb. bag 1.0 ± 0.1 ft<sup>3</sup> ; 40 lb. bag 0.5 ± 0.1 ft<sup>3</sup>  
50 lb. bag 0.6 ± 0.1 ft<sup>3</sup>

## PACKAGING

80 lb. bag (36.2 kg) - UPC: 0-94138-05050-1  
40 lb. bag (18.1 kg) - UPC: 0-94138-05052-5  
50 lb. bag (22.6 kg) - UPC: 0-94138-05328-1

## TECHNICAL SERVICE

TXI Operations, LP  
1341 West Mockingbird Lane  
Dallas, Texas 75247  
972-647-6700  
800-366-4894  
www.txi.com

## LIMITATIONS

- DO NOT** add aggregate.
- DO NOT** over water.
- DO NOT** use below 40° F (4.4° C). Temperature should be above 40° F and rising.
- DO NOT** use for repairs less than 2 inches thick.
- DO NOT** install over frozen substrates.
- DO NOT** mix more material than can be placed in 30 minutes.
- DO NOT** mix with anything but potable water.

## SHELF LIFE

One year from date of manufacture when stored in an unopened bag away from dampness.

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## TECHNICAL DATA

Compressive Strength	ASTM C 39
Plastic Density	ASTM C 138
28-Day Air Dry Density	ASTM C 567, ASTM C 330
Freeze-Thaw Resistance	ASTM C 666

## TYPICAL VALUES

Exceeds ASTM C387 28 days 5,500 psi
100 lbs ft <sup>3</sup> +/- 4 lbs
96 lbs ft <sup>3</sup> +/- 4 lbs
Relative Dynamic Modulus (300 Cycles) : 100.7 (Excellent)

Estimated # of 80 lb. bags of MAXIMIZER to pour a slab.

Area in Sq. Feet	3	6	9	12	18	36
Slab 4" Thick	1	2	3	4	6	12
Slab 6" Thick	2	3	5	6	9	18

To determine coverage multiply length X width X thickness (all in feet) = the number of bags needed.  
 Note: Convert all measurements in inches to feet. (i.e. 4 inches thick = .33 feet thick.)  
 Remember to allow for waste and spillage.  
 1 Bag = 1 Cubic Foot

Title: Div. 03 30 00 Cast-in-place Concrete-03 31 00 Structural Concrete  
 Subtitle: 03 31 16 Lightweight Structural Concrete

DRY CONCRETE MIX		<b>WARNING! CAUSES IRRITATION:</b> AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. EXPOSURE MAY RESULT IN IRRITATION OF SKIN, EYES, OR NASAL PASSAGES FROM ALKALI IN PORTLAND CEMENT. WHEN WET, CONTACT WITH THE SKIN OR EYES MAY RESULT IN IRRITATION OR BURNS. <b>WARNING! HARMFUL IF INHALED:</b> AVOID BREATHING DUST. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. EXCESSIVE EXPOSURE BY INHALATION OVER AN EXTENDED PERIOD OF TIME MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES INCLUDING PNEUMOCONIOSIS AND SILICOSIS. CRYSTALLINE SILICA HAS BEEN CLASSIFIED BY IARC AND NTP AS A CARCINOGEN.
HEALTH	3*	
FLAMMABILITY	0	
REACTIVITY	1	
PERSONAL PROTECTION	X	

**ADVERTENCIA! CAUSA IRRITACION:** EVITE EL CONTACTO CON LOS OJOS, PIEL O ROPA LAVARSE BIEN DESPUES DE SU USO. LA EXPOSICIÓN AL PRODUCTO PUEDE CAUSAR IRRITACIÓN DE LOS OJOS, PIEL Y VÍAS RESPIRATORIAS POR LA ALCALINIDAD DEL CEMENTO PORTLAND. CUANDO ESTA MOJADO, EL CONTACTO CON LA PIEL U OJOS PUEDE CAUSAR IRRITACIÓN O QUEMADURAS. **ADVERTENCIA! EVITE INHALAR EL PRODUCTO:** LA EXPOSICIÓN EXCESIVA AL RESPIRAR EL PRODUCTO POR UN PERIODO LARGO PUEDE RESULTAR EN EL DESARROLLO DE ENFERMEDADES PULMONARES INCLUYENDO NEUMOCONIOSIS Y SILICOSIS QUE HAN SIDO CLASIFICADOS POR LA IARC Y NTP COMO UN AGENTE CANCERIGENO. USARSE EN TRES BIEN

**FIRST AID:** In case of eye contact, flush with water for 15 minutes. If irritation persists, seek medical attention immediately. If inhaled remove person to fresh air. If ingested, drink water to dilute. Seek medical attention immediately. In case of skin contact, wash thoroughly. If irritation persists, seek medical attention. See MSDS for additional information.

**PRIMOS AUXILIOS:** En caso de contacto con los ojos, lavar con agua por 15 minutos. Si la irritación persiste busque atención médica inmediatamente. Si es inhalado ponga a la persona al aire fresco, si persisten las molestias al respirar busque atención médica inmediatamente. Si es ingerido consuma o tome agua para diluirlo. Busque atención médica inmediatamente. En caso de contacto con la piel lavar con agua, si la irritación persiste busque atención médica. Vea MSDS para mayor información.

WARRANTY: EXCEPT AS SET FORTH ON THIS PACKAGING, MANUFACTURER MAKES NO OTHER WARRANTIES WITH RESPECT TO THIS PRODUCT, EXPRESS OR IMPLIED INCLUDING WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE LIABILITY LIMITED TO PRODUCT PRICE.

PROTECTED BY U.S. PATENTS 5,328,507 AND 5,472,499 PLUS FOREIGN PATENTS

MAXIMIZER is a Trademark of TXI



For more information on MAXIMIZER please call  
 1-800-366-4894  
 or visit our websites at  
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