

TRON-FLEX ELASTOMERIC CONCRETE

DATA SHEET

PRODUCT DESCRIPTION

Tron-Flex is a three component, polyurethane based elastomeric concrete material. It cures to a hardness and durometer that enables the product to support loading with minimal deflection and will also absorb impact without cracking.

USES

Tron-Flex Elastomeric Concrete is used primarily as an expansion joint edge material, a flexible nosing material for metallic expansion joint assemblies, and a patching compound for spalls in concrete deck surfaces.

FEATURES

- Easy to mix and install.
- The three system components are conveniently pre-proportioned and packaged together for easy field mixing.
- Remains flexible over a wide temperature range.
- Cures at temperatures down to 32°F. (0°C).
- Bonds to concrete, steel and aluminum.
- Has excellent weathering properties.
- Can be used with a thixotropic additive for sloped surfaces.

LIMITATIONS

- Apply to clean, dry, sound substrate.
- The application temperature should be above 40°F (4°C).

PACKAGING

Available in 950 cubic inch (15,600 cm³) kits.

STANDARD COLOR

Black

INSTALLATION

Create and Prepare Blockout

Saw cut and demo the substrate to the dimensions desired for the area to receive the elastomeric concrete header system. In concrete decks the minimum blockout dimensions must be 4 inches (100mm) wide by 2 inches (50mm) deep on each side of the joint gap. If the area being repaired has an existing asphalt overlay, the blockout must be a least ½ inch (13mm) deep into the concrete substrate. Prior to placement of the elastomeric concrete the newly created blockout should be sandblasted and then blown clean with dry compressed air.

Primer Application

Fully mix together the two components of Tron-Flex Primer and brush a coat of the primer on all surfaces that will come in contact with the elastomeric concrete material. Do not let the Tron-Flex Primer puddle under any circumstances. Allow the primer to achieve a tacky-dry feel before proceeding with the placement of the elastomeric concrete. This should take approximately 20-30 minutes (@ 70° F). The primer may be allowed to dry longer, but the elastomeric concrete must be placed within 3 hours of priming otherwise it will be necessary to physically abrade the surface and re-prime with a 1:1 mixture of Tron-Flex Primer and MEK.

Elastomeric Concrete Installation

Begin with one empty, clean 6-gallon bucket. Pour the Tron-Flex Elastomeric Concrete liquid components into the empty bucket. Mix the two

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components together using a 3/4 inch (19mm) variable speed drill with a mixing paddle for no more than 5 seconds. Gradually add in all of the pre-measured aggregate while continuously mixing. Once all the aggregate has been added to the liquid, mix just enough to ensure there are no dry pockets. This should take no more than 1 minute. Be sure not to over mix the Tron-Flex Elastomeric Concrete as it can shorten the material's pot life. Once mixed immediately pour the material into the blockout and trowel smooth. Allow the material to cure until firm (about one hour) prior to removal of any forms.

PRECAUTIONS

Refer to Material Safety Data Sheet for detailed health and safety information prior to use.

WARRANTY

R.J. Watson, Inc. warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for this product. R.J. Watson, Inc. shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product.

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TECHNICAL DATA FROM LABORATORY TESTS

Property	Test Method	Test Results
*Tensile Strength	ASTM D 412	1500psi (10.3MPa)
*Elongation @ Break	ASTM D 412	250% min
*Hardness (Shore A)	ASTM D 2240	85 ± 5
*Hardness Change 7 days @ 14°F	ASTM D 2240	10 pt Max
Pot Life		20 min.
Ozone Resistance	ASTM D 1149	No Cracks
U.V. Resistance	ASTM G 53	Excellent

*Resin only