Wabo®ElastoPatch

Crack and Spall Repair Material

Features	Benefits
• Unique repair solution	Permanent repair to cracks and spalls.
• Rapid installation	Ambient cured material that is mixed in 5 minutes and typically open to traffic in one hour
• Durability	High load bearing and bonding capabilities accommodate heavy and repetitive impact loading

DESCRIPTION:

The Wabo®ElastoPatch is a unique modified elastomeric concrete material for the repair of random cracks and spalls in existing portland cement concrete pavement.

Wabo®ElastoPatch is resistant to wear under repetitive loadings and chemical attack in harsh environments. The superior bonding capabilities to concrete minimizes edge spalling associated with high impact loads. Wabo®ElastoPatch is an ambient cured, flexible material forming a monothilic unit.

RECOMMENDED FOR:

- Airport runways, taxiways, and aprons.
- Airfield pavement lighting
- Sealing of cracks on highways, bridges, and parking decks.
- High impact and repetitive loading spall conditions

PACKAGING/COVERAGE:

- Wabo®ElastoPatch is available in Black & Gray.
- Wabo®ElastoPatch
  - PTA – ½ gal container
  - PTB – 1 gal container
  - PTC – 40 lbs aggregate
  - Wabo®Cast Silica Sand – 50 lb Bag
- Wabo®Bonding Agent
  - PTA – 1 qt container
  - PTB – 1 qt container
- Coverage
  - PTA+PTB+PTC = 1 unit
  - One unit = 0.5 cubic feet or 3.75 gal
  - One Bag Wabo®Cast = 10 units

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PHYSICAL PROPERTIES:

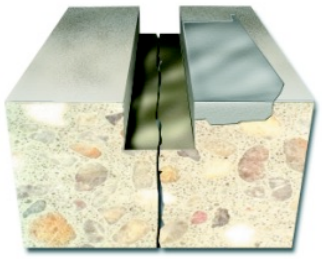
PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Binder Only		
Tensile Strength	D 412	1000 psi min.
Elongation at Break	D 412	31% min.
Hardness (Shore D)	D 2240	50
Binder and Aggregate		
Bond Strength	C 190	250 psi min.
Compressive Yield Stress @ 5% deflection	D 695	 1100 psi 500 psi
Impact Resistance 8 ft 10 ft >10ft	See Note[1]	 No Cracks No Cracks No Cracks

1 - Specimens are cast discs with a 2.5" diameter and 0.375" thickness. Specimens are conditioned for four hours at test temperatures. A one pound steel ball is dropped onto the center of the specimen through a plastic tube from an initial height of 5 feet. The drop height is increased by intervals up to 7 feet or until the specimen cracks.

Typical Applications

Figure 1:
Crack and Spall

Figure 2:
Renovated Roadway



Pavement Seal Spall Repair

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APPLICATION:

INSTALLATION SUMMARY:

- Saw cut area around spall or crack
- Wabo®Bonding Agent must be used as a primer on the properly prepared concrete before beginning the installation of the Wabo®ElastoPatch
- Brush apply the bonding agent to the concrete surface and immediately begin the installation of the Wabo®ElastoPatch. DO NOT allow the bonding agent to cure.
- Thoroughly stir Wabo®ElastoPatch Part B component separately before pouring entire contents of Part B into a clean 5-gallon container. Add Part A and mix both components with a power mixer equipped with egg beater type paddle for 30 seconds and until well blended.
- Add the aggregate/fiber component to the liquid material and mix until all aggregate is coated (approximately 1 minute)
- After blending, Wabo®ElastoPatch is poured into the spall/crack area to desired thickness and profile.
- Upon completion of pour, broadcast Wabo®Cast Silica Sand on top surface for skid resistance
- Clean all excess material from the edges of the repair area. DO NOT allow the material to cure before removing it.

FOR BEST RESULTS:

- Install when concrete substrate is clean, sound, dry, and cured (14 day minimum).
- Do not install if surface temperature is less than 40˚F (4˚C).
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50˚F (10˚C) and 90˚F (32˚C).
- Shelf life of chemical components is 2 years.
- Periodically inspect the applied material and repair localized areas as needed. Consult a Watson Bowman Acme representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website (www.watsonbowmanacme.com) or contact a customer service representative.
- Proper application is the responsibility of the user. Field visits by Watson Bowman Acme personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

OPTIONS/EQUIPMENT:

- ¾” slow speed, high torque paddle mixer with egg beater (mud beater) style mixing blade.

RELATED DOCUMENTS:

- Material Safety Data Sheets

LIMITED WARRANTY:

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