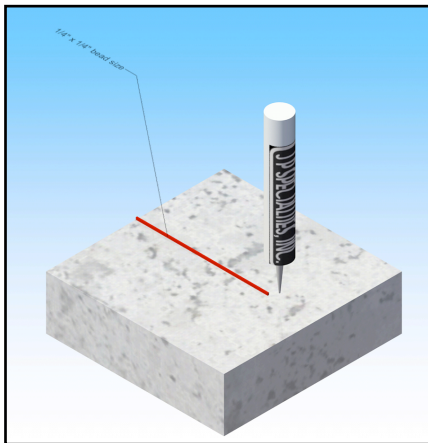




Type NB190® Paste

NBPASTE — Hydrophilic Waterstop Paste

Designed for use as a waterstop in new and retrofit concrete cold joint construction. May also be used as an adhesive for Type NB190® Hydrophilic Waterstop.



Properties

- NB190® Hydrophilic Waterstop Paste is a moisture curing, hydrophilic, elastomeric sealant.
- Exhibits flexible, resilient rubber that adheres to a wide variety of substrates.

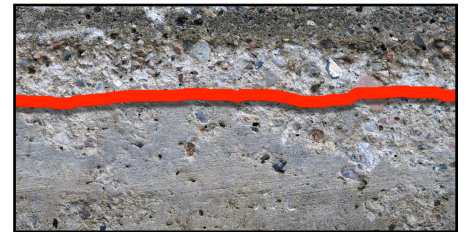
- Over 100% hydrophilic expansion in 48 hours.
- 250% hydrophilic expansion in 30 days.
- Solvent free, 100% solids, will not shrink.
- Tack free skin is formed in 60 minutes (@ 75°F / 23°C)
- Typical cure takes place in 24 hours.
- Available in 10.5-ounce cartridges.
- Color: Red

Property	Typical Value	Test Method
Cure System	Hybrid, Moisture Cure	
Gun Grade	Zero Slump	ASTM C679
Tensile Strength	159 psi	ASTM D412
Shear Strength	188 psi	ASTM D1002
Elongation	185%	ASTM D412
Shore A Hardness	35	ASTM D661
UV Stability, Accelerated Weathering	UV-A, No Change (2000 hours)	QUV Weatherometer

Property	Typical Value	Test Method
VOC Content	20.6 grams/liter	
Service Temperature	-40° F to 220° F (-40° C to 104° C)	
Application Temperature	40° F to 130° F (4° C to 55° C)	

Typical Uses

- Concrete cold joints.
- Expanded metal forms.
- Pipe or circular penetrations.
- Crack and joint repair.
- Sheet pile interlocks.
- Precast segment sealant.
- Rough or irregular concrete.



Safety

Read and understand MSDS for all products. Wear rubber gloves and eye protection at all times. Use dust mask when cleaning. Keep fresh water on site at all times. Do not ingest or inhale.

First Aid

- Eye contact — Flush with water for 15 minutes and seek medical attention.
- Skin contact — Wash with soap and water, consult physician if rash occurs.

Earth Shield® Chemical Resistant Waterstop manufactured by J P Specialties, Inc.
25811 Jefferson Avenue, Murrieta, CA 92562

800-821-3859 • FAX 951-763-7074 • www.earthshield.com • jpspec@jpspecialties.com

- Ingestion — Give large quantities of water, do not induce vomiting, seek medical attention.
- Inhalation of vapor — Remove to fresh air, apply oxygen if necessary.

Storage

- Keep stored in tightly sealed containers. Avoid excessive heat or flames.
- Hot environment — Store products between 70 to 75°F 48 hours prior to application.
- Cold environment — Store products at or above 80°F for 24 hours prior to application.
- Keep products in a cool area during use.

Additional Information

Please contact Earth Shield® Technical Support prior to use of this product regarding any additional questions.

Bead Size in Inches	Feet per Cartridge
1/4" x 1/4"	25
1/4" x 1/2"	19
1/4" x 3/4"	13
1/2" x 1/2"	13
1/2" x 3/4"	7
1/2" x 1"	3

Bead Size in Inches	Hydrostatic Resistance in PSI
1/4" x 1/4"	60
1/4" x 1/2"	65
1/4" x 3/4"	70
1/2" x 1/2"	70

Bead Size in Inches	Hydrostatic Resistance in PSI
1/2" x 3/4"	82
1/2" x 1"	88

Bead Size in Inches	Concrete Clear Cover
1/4" x 1/4"	2"
1/4" x 1/2"	3"
1/4" x 3/4"	4"
1/2" x 1/2"	4"
1/2" x 3/4"	5"
1/2" x 1"	6"

Warranty Information

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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