

PRODUCT DESCRIPTION

Akona® Non-Shrink Grout is a pourable, non-metallic, Portland cement-based material to be used for grouting steel columns, bearing plates, precast concrete, and anchors. Grout compensates for an uneven foundation, distributes weight of unit, and prevents shifting after setting and leveling unit. The material is made of aggregates, Portland cement and other additives to create an interior or exterior grout with non-shrinking characteristics.

SPECIFICATIONS

- ASTM C1107
- Corps of Engineers Spec. CRD-C 621
- MN, WI, and NE DOT approved *Non-Shrink Grouts*

WHEN/WHERE TO USE

- Interior and exterior
- To fill holes
- Base plate grouting
- Anchoring
- Pre-cast wall panels
- Bridge seats

ADVANTAGES

- Non-shrink characteristics
- High strength
- Pre-blended - just add water and mix
- Capable of handling high load transfers

AVAILABLE SIZE

- 50 lb. (22.7 kg) bag (BOM #104031)

YIELD

One bag will yield approximately 0.45 cu. ft. (12.7 L)

PREPARATION

Surfaces must be clean and free of chemical deposits, dirt, grease, form oils, efflorescence, paint, or other contaminants that could interfere with bonding. Apply only to surfaces that

are frost free and above 40°F (4°C) and below 100°F (38°C) within 24 hours of application and 72 hours thereafter. Do not apply in direct sunlight on hot, windy days or when rain is expected within 24 hours. Presoak area to be grouted and remove excess water just prior to application.

MIXING

Use clean, potable water only to mix Non-Shrink Grout (a bonding additive is not needed). For best results, use a mechanical mixer with rotating blades. Always mix entire contents of bag. Add approximately ¾ of the expected mix water into the mixer, add the Non-Shrink Grout powder, then add additional water in small increments until desired consistency is achieved. Mix for no longer than 5 minutes. Water requirements may vary due to the temperature, mixing method, and desired consistency. Do not mix more than can be placed in a 30 minute time frame.

APPLICATION

After cleaning and pre-wetting the surface, place grout in a manner to avoid air entrapment. To avoid segregation, be careful not to overwork grout. Create vent holes where necessary. Forms should be sealed to prevent water or grout loss. Whenever possible, bolt holes should be grouted first. Placement and consolidation should be continuous for any one section of the grout. Excess grout may be removed after the initial set. Non-Shrink Grout should not be re-tempered. Shut down any equipment in the vicinity that will cause vibration of the grout for at least 24 hours.

WARNING

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after handling or before eating. Do not take internally. **KEEP OUT OF REACH OF CHILDREN.**



WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN

Approximate Water per 50 lb. Bag		
Plastic (trowel)	7 ½ Pints (3.5 L)	
Flowable (pump)	8 ½ Pints (4 L)	
Consistency of Flow		
Plastic (trowel)	101%	
Flowable (pump)	129%	
Compressive Strength (ASTM C109)		
Age	Plastic	Flowable
1 day	1,940	1,450
3 day	3,300	2,790
7 day	4,680	4,280
28 day	6,770	5,580
Height Change Expansion % (ASTM C1090)		
Age	Plastic	Flowable
1 day	+0.05%	+0.03%
3 day	+0.15%	+0.13%
14 day	+0.13%	+0.11%
28 day	+0.12%	+0.10%



Helpful Items:



Gloves



Safety Glasses



Water



Mixer



AKONA[®] NON-SHRINK GROUT

High strength, easy to use, non-shrink grout

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WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

ENVIRONMENTAL ADVISORY

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.