



Smart
solution™

The Difference Is Polymer Science!





The backbone of Bostik premium, pre-mixed grout performance

HXD™ Technology enables only Bostik to offer the highest performance resin system of any pre-mixed grout available. The resin system is the most important factor in grout performance. This breakthrough in polymer chemistry enables Bostik premium, pre-mixed grouts to offer unmatched toughness, water and stain resistance. It's no surprise that Bostik is the most specified pre-mixed grout in the architect and design community today.

THE BOSTIK ADVANTAGE

Bostik HXD™ Technology contains an exceptionally high concentration of cross-linking molecules. This results in a larger, more unified polymer structure or macro-molecule, which is more durable and resistant to penetration and staining from fluids. These superior characteristics provide unmatched performance in wet environments, which is further enhanced by proprietary additives that repel stains like no other grout.

WHY ACCEPT AN IMITATION?

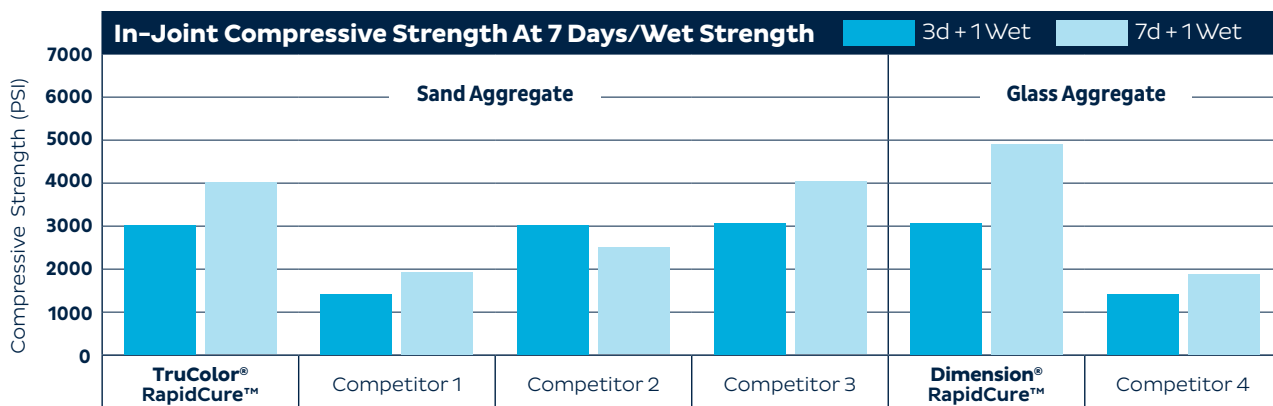
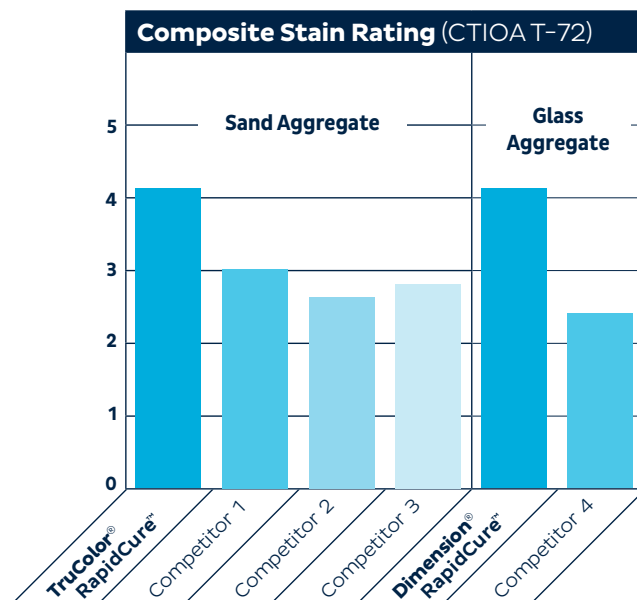
Most competitive pre-mixed grouts today form a loose resin matrix because of physical entanglement of short polymer chains following the simple evaporation of water. This predominantly physical entanglement can be more easily separated by the everyday forces of impact, abrasion, flex, or even lubrication, when exposed to penetrating liquids such as water. The result is less durable pre-mixed grouts that fail to provide the toughness, stain and water resistance you require over the test of time.

Comparison Test Results

Bostik premium, pre-mixed urethane grouts exhibit **supreme stain resistance properties**

Bostik's unique, innovative chemistry offers unparalleled performance characteristics in its premium, pre-mixed urethane grouts. Bostik is the pioneer of the premium, pre-mixed grout category and continues to set the standard. When you select **TruColor® RapidCure™** or **Dimension® RapidCure™** for your next project, know you have selected the highest quality product for your home or business.

RATING: 5=No stain visible, 0=Very heavy stain



Bostik HxD™-based, premium, pre-mixed grouts offer reliable color consistency, outstanding stain resistance, excellent toughness, and unmatched performance in full water submersion.

Performance criteria must be evaluated in its entirety, understanding the interplay between all features. Bostik premium, pre-mixed grouts offer the most superior combination of performance features available.

Product Comparison

	TruColor® RapidCure™	Competitor 1	Competitor 2	Competitor 3	Dimension® RapidCure™	Competitor 4
Aggregate	Colored Sand			Loose Pigment/Sand	Glass Beads	
Color Consistency	Yes	Yes	Yes	No	Yes	Yes
Stain Resistance	4.4/High	3.3/Med	2.9/Low	3.0/Low	4.3/High	2.8/Low
Compressive Strength (ASTM C109)	516/High	181/Med	650/High	214/Med	693/High	123/Low
Water Resistance	High	Low	Low	High	High	Low
Full Submersion (TDS)	Yes	No	Yes	No	No	Yes

Stain Testing: Performed on tiled panels air-dried for 7 days, on a 1/2" width joint. **Staining Agents:** Ketchup, red wine, mustard, blueberries and coffee. **Compressive Strength:** Realized on restrained samples, 1/4" width joint, porcelain tile over cement board.

Common Questions About HXD™ Technology

What does HXD™ stand for?

High Cross-Linking Density (HXD™). Bostik has created a proprietary polymer chain that has high functionality because of its remarkable number of reactive sites making it more robust in typical use environments than all other pre-mixed grouts.

What is Bostik's HXD™ Technology?

HXD™ Technology is the proprietary backbone of the high performance, polymer resin system developed by Bostik for use in its high performance building materials initially available in our premium, pre-mixed grouts.

This breakthrough in the science of adhesion enables the formation of an extremely robust, dense polymer matrix that imparts a level of long term durability unlike any other pre-mixed grout available today.

When was the HXD™ Technology introduced into Bostik's premium, pre-mixed grouts?

HXD™ Technology was introduced when Bostik launched our RapidCure™ formulations and has been further refined over the past 12 months. This technology was the foundation of our premium, pre-mixed grouts performance improvement in wet environments.

Why is Bostik focusing so much on this advancement in polymer science now?

Over the past several years, we have been conducting comprehensive analytical testing to understand how Bostik premium, pre-mixed grouts compare to imitations. The result is clear, the advanced polymer matrix used in our resin offers superior toughness, stain and water resistance.

Is HXD™ Technology available in all of Bostik's premium, pre-mixed grouts?

Yes. As the pioneer of the industry's premium, pre-mixed grout category over 7 years ago, no one understands the demands placed on pre-mixed grouts better than Bostik. As a result, we have engineered a resin system that is unmatched by the competition and available in our TruColor® RapidCure™ and Dimension® RapidCure™ products.

How does HXD™ Technology work?

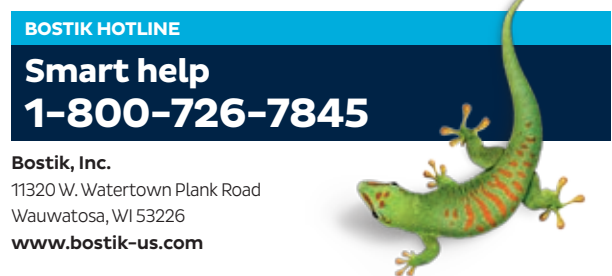
The polymer chains formed during the curing process of Bostik's premium, pre-mixed grouts create an extremely dense, cross-linked matrix that forms a tough, flexible polymer structure. As a result, our grouts are virtually unaffected by the typical challenges associated in light commercial use environments which involve exposure to water, common household stains, impact, flexural forces or abrasion.

Why are Bostik's premium, pre-mixed grouts priced above the competition?

Quite simply, you get what you pay for with building materials. Bostik conducts fundamental material science research in its upstream research groups on a global basis. As a result, we use the best performing polymers available to solve application challenges. We collaborate in research with global specialty polymer producers and operate in a wide range of challenging markets such as aerospace, marine, transportation, energy, and personal hygiene. It is this extensive experience in the harshest environments that has enabled Bostik to develop its HXD™ Technology.



Test results were developed by Bostik.



This document supersedes all previously published literature.

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