TECHNICAL DATA SHEET

Nitro Sink Shot

Features

- No Solvents or Water, Will Not Shrink
- 100% Solids, VOC Compliant
- Offers Immediate Green Strength
- Adheres to A Wide Variety of substrates
- Remains Easy to Dispense From 0-150F
- Will Cure to Wet Substrates or When Moisture Is Present
- Remains Flexible, Allows for Vibration & Movement

Conforms, Meets & Exceeds

- Conforms to California Proposition 65
- Conforms to USDA Requirements for Non-Food Contact
- Meets Requirements of CARB & SCAQMD
- VOC Compliant (9.55 grams/liter ASTM D2369)

Description

Nitro Sink Shot Sealant uses innovative hybrid technology to develop immediate green strength to fixture substrates while the sealant cures and provides a long-term, durable bond. Nitro Sink Shot is 100% solids. It will not shrink and is free of isocyanates and solvents which make it easy and friendly to work with at a variety of temperatures. Nitro Sink Shot will bond to wet substrates and is able to be applied when water or moisture is present without washing off (water-based adhesives) or outgassing and bubbling (polyurethanes). Nitro Sink Shot has a very broad adhesion range and can be used for a variety of industrial or construction applications.

Why Use Nitro Sink Shot Sealant?

- Nitro Sink Shot 100% is 100% solids outperforms solvent-based or water-based sealants. The solvent in solvent-based adhesives flashes off during curing and water-based adhesives also have water loss during cure. This can often leave behind just 60% of what you applied. With Nitro Sink Shot, what you apply stays. Therefore, you can often reduce adhesive usage just by using our technology alone.
- The Nitro Sink Shot has excellent green strength and fixturing properties. It not only bonds well to a variety of substrates but it also grabs and holds which helps reduce assembly time, brace usages, fastener usage, etc.
- A lot of adhesives that are eco-friendly do not have the strength required for the job. The Nitro Sink Shot offers an eco-friendly option that is made to perform.

Physical Properties	Test Method	Result
Viscosity	AAA Test Method	1,800,000 cps (Spindle 7, 4rpm)
Skin Formation Time	AAA Test Method	10 minutes (70°F, 50% RH)
Density	ASTM D1475	14.8 lbs./gal
Hardness	ASTM C661	45 (Shore A)
Modulus 100%	ASTM D412	1.42 MPa
Tensile Strength	ASTM D412	1.58 MPa
Elongation at Break	ASTM D412	150 %
Lap Shear	ASTM D412	2.15 MPa
Gun Grade	AAA Test Method	Pass (Non-Slump)
QUV Testing	ASTM G26	Pass (2,000 hrs)
Service Temperature	AAA Test Method	-50°F to 220°F
Cure In Depth After 7 Days	AAA Test Method	13mm (70°F, 50% RH)

Strength will start to develop immediately and continue increasing for 7 days after application. GRANQUARTZ recommends testing strength and adhesion on the 7th day. Nitro Sink Shot suggested application temperature range: 32°F to 150°F. Nitro Sink Shot can be applied lower than 32°F. However, it will slow down the curing speed. In general, lower temperature & humidity will slow skin and cure times.

Common Applications

Nitro Sink Shot is an excellent adhesive for many Commercial, Industrial and Construction applications. Such applications include:

- Roof Bow Adhesive
- Trailer & RV Manufacturing
- Shower Panels & Installation
- Panel Assembly Adhesive
- Subfloor Adhesive
- Roofing Applications
- Landscape Block Applications
- Mirror Installations
- Countertop & Solid Surface Installation
- Wall Stone Applications
- HVAC Applications
- General Construction Applications
- Industrial Manufacturing Applications
- *Can be used for additional applications not listed. GRANQUARTZ recommends testing prior to use.*

Directions

Nitro Sink Shot is ready to use and requires no mixing or additives. Tooling, if necessary, should be done before skinning takes place. In applications where partial or total confinement of sealant is prevalent, the time required for proper cure is generally lengthened by the degree of confinement. Higher temperature and higher humidity will accelerate skin & cure time. Cold temperatures and low humidity will slow down skin & cure time.

Clean Up

Wet adhesive can be cleaned with alcohol. Dry sealant can be removed by abrading or scraping.

Colors

Nitro Sink Shot is available in white and steel grey.

Caution/Safety

Please refer to the SDS for the corresponding product for information regarding safety and handling.

Common Bonding Substrates

Nitro Sink Shot can be used on a variety of substrates. Please inquire or test your substrates before use. Substrates may vary with manufacturer. We have listed some common substrates:

- Ceramics
- Fiberglass
- Glass
- Granite
- Marble
- Aluminum & Galvanized Metal
- Wood
- Stone
- EPS or Styrofoam Insulation
- Porcelain
- PVC & Other Plastics
- Porous Surfaces (Concrete, Brick, Etc.)
- *Can be used on additional substrates not listed. GRANQUARTZ recommends testing prior to use.*

Surface Preparation

All surfaces should be clean. Alcohol can be used to clean the surface. DO NOT USE petroleum-based solvents. Priming for Nitro Sink Shot is not normally required for applications to nonporous surfaces. Unprimed adhesion can be easily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur. If primer is required, contact GRANQUARTZ.

Testing

Test per application requirement. Allow 7 days for maximum strength to develop before testing adhesion or strength.

Storage

When stored at 70°F and 50% RH, Nitro Sink Shot has a shelf-life of 12 months in cartridges. High temperature and high humidity can significantly reduce shelf- life.

Warranty Limitations

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability. For a particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain such authorization. Because the storage, handling and application of the material is beyond GRANQUARTZ's control, we can accept no liability for the results obtained. GRANQUARTZ's sole limited warranty is that the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. GRANQUARTZ will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted. Suggestions of uses should not be taken as inducements to infringe upon any patents