



QUIK-SHIELD 232

Slab-Jacking Foam

QUIK-SHIELD® 232 slab jacking foam is a rigid, closed-cell, two component foam that is specifically engineered to increase the bearing capacity of the ground beneath a foundation or substrate. It has superior expansive properties enabling better void fills and soil compression, it does not contaminate soil or water, and it is an environmentally neutral and inert cured material.

TYPICAL PHYSICAL PROPERTIES

Properties achieved in a lab environment at 25°C (77°F). Field conditions may cause variation in properties.

	232-2.5	232-4
Core Density (lb/ft ³)	2.5	4.0
Compressive Strength (psi)	28-32	70-80
Cream Time (sec)	5-7	5-7
Gel Time (sec)	14-17	14-17
Tack Free Time (sec)	18-21	18-21

RELATIVE INSULATION VALUES (aged)

LTTR Type 1 RSI @ 50mm (m ² C°/W)	1.83
R-Value @ 50mm	10.39

HANDLING PROPERTIES at 25°C (77°F)

	A SIDE (ISO)	B SIDE (RESIN)
Specific Gravity	1.23	1.2
Viscosity, cps	250 ± 50	1500-1800

RECOMMENDED STORAGE AND SHELF LIFE

- Storage temperatures 18-29°C (65-85°F) See back for preconditioning of material.
- 6 month shelf life (resin) 12 month shelf life (iso) from date of manufacture (unopened containers).
- Keep container tightly sealed.
- Store out of direct sunlight, in a cool dry place, avoid freezing.

PRODUCT INFORMATION

Environmentally Friendly	Low VOCs, No solvents, No ozone-depleting properties
Fast Cure	Tack free in 60 seconds surface available for immediate use
Leading Temperatures	QUIK-SHIELD® 232 withstands temperatures from -46-149°C (-50-300°F) (in cured state)
Product Packaging	55 Gallon Drum

APPROVALS / COMPLIANCE

CCMC #13555-L	CAN/ULC S-705.2 - Morrison Hershfield
CAN/ULC S-705.1	



PREPARATION OF SUBSTRATES

Providing the proper substrate is the responsibility of the owner, the owner’s appointed representative, the contractor, and/or inspector. The following are manufacturer’s recommendations. However, other preparation techniques may be required given unique/specialized application circumstances. Contact **SWD Technical Support at 888-380-2022** for additional questions.

Remove dust, dirt, oil, paint, and alternative polymers from all surfaces prior to applying SWD products.

See SWD specifications or SPFA guidelines for further details on substrate prep.

Concrete	<ul style="list-style-type: none"> • If applying foam to concrete, the concrete surface should be structurally sound, clean, and curing for 28 days. • Fill large voids with appropriate backer rods or appropriate fillers. • Blasting and/or priming is not always required. It is the responsibility of the contractor/end user to determine proper adhesion and suitability. If additional information is required, contact SWD Technical Support.
Previously Applied Foam or Other Polymers	<ul style="list-style-type: none"> • As practical, remove previously applied foam and other polymer products. Application of product over existing materials should be performed only after adhesion/compatibility is verified by the contractor and accepted by the building owner or owner’s appointed representative.
Wiring and Plumbing	<ul style="list-style-type: none"> • QUIK-SHIELD® 232 is fully compatible with CPVC piping systems (Paschal Engineering Study for the SPFA). • QUIK-SHIELD® 232 is compatible with typical electrical wiring coverings. (NEMA Bulletin 95)

PROCESSING

Mixing	<ol style="list-style-type: none"> 1. Mixing of B-Side (resin) is not required. 2. Mixing of A-Side (iso) is not required.
Pressure Settings	<ol style="list-style-type: none"> 3. Product should be sprayed with a high pressure plural-component proportioner capable of a minimum of 1000 psi dynamic pressure. 4. Static pressure is typically set between 1100-1400psi.
Temperature Settings	<ol style="list-style-type: none"> 5. Primary heaters and hose heaters are typically set between 38-49°C (100-120°F). Higher temperatures are utilized in winter months, lower temperatures are utilized in summer months.

Proper application temperature setting is the responsibility of the end user. Equipment temperature varies and can be dependent on equipment, hose length, elevation, ambient temperature, substrate temperature, humidity, and other factors. If additional information is required contact

SWD Technical Support at 888-380-2022.

APPLICATION

Application of slab-jacking foam requires specialized gun adapter parts. Contact SWD Urethane for details.

1. Clean surfaces according to “Preparation of Substrates” section.
2. If priming, follow manufacturer recommendations. Ensure primer is adequately cured prior to application.
3. Flush an adequate amount of material through the lines/gun prior to spraying desired surface when changing between systems. Flush amount will be dependent on prior system used. If additional information is required, contact an SWD representative for more details.
4. Do not recirculate.
5. Before application, test material to ensure that material sprays, cures, and hardens properly.
6. Inspect applied material intermittently to ensure no problems exist. If problems are detected, discontinue application and inspect all equipment, gun, and liquid material for problem source(s).

CLEANING AND MAINTENANCE

1. Spray equipment must be maintained in proper operating condition. Failure to adequately maintain spray equipment may result in poor product performance. Refer to your equipment manufacturer’s maintenance procedures for more details.
2. Contact SWD for long-term equipment storage recommendations.



The information herein is believed to be reliable; however, unknown risks may be present. SWD Urethane makes no warranty, expressed or implied, concerning this product’s merchantability or fitness for any particular use. The product will meet the written liquid component specifications as indicated on the technical data sheet published at the time of the purchase. The entirety of SWD Urethane’s responsibility is limited only to the cost of the SWD material. The foregoing constitutes SWD Urethane’s sole obligation with respect to damages, whether direct, incidental or consequential, resulting from the use or performance of the product.

Safety is the responsibility of the owner, the owner’s appointed representative, the contractor, and/or inspector. Become familiar with local, state, and federal regulations regarding chemical health, safety, and handling. For more information consult the product SDS, contact the SPFA (www.sprayfoam.org) or the ACC (www.spraypolyurethane.org).