QUIK-SHIELD 205

Ditch Break Foam

QUIK-SHIELD® 205 specially designed for pipeline and other grade applications, ditch break foam offers many benefits. The product is the best option for the diversion and control of water in sub-surface environments. QUIK-SHIELD® 205 has high structural and compressive strength along with a faster reaction time to secure material in place.

TYPICAL PHYSICAL PROPERTIES

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

	PROCEDURE	VALUES
Compressive Strength (psi)	D-1621	10-12
Core Density (lb/ft³)	D-1622	1.6-1.8

RELATIVE INSULATION VALUES (aged)

K-Factor at 1”	0.285
R-Value at 1”	3.5

HANDLING PROPERTIES at 77°F (25°C)

	A SIDE (ISO)	B SIDE (RESIN)
Mixing Ratio	50	50
Specific Gravity	1.23	1.19
Viscosity, cps	350	600

REACTIVITY PROFILE

Cream Time (sec)	1-4
Cure Time at 75°F (hours)	24
Gel Time (sec)	4-6
Tack Free Time (sec)	6-13

RECOMMENDED STORAGE AND SHELF LIFE

- Storage temperatures 65-85°F (18-29°C). 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 VOC, no solvents, no ozone-depleting properties.
Excellent Adhesion	Attaches physically to earth, rock, pipe, metal, etc. Reduces material and labor costs.
Low Exothermic Reaction	Water blown foam producing low heat generation during application, build up ditch break walls quickly without scorching or potential fire, saves time—eliminates additional application passes.
Vertical Stability	Allows ditch break walls to be built up quickly without a wide base, saves time and material.
Water & Moisture Resistant	Closed-cell foam will not absorb water, will not allow water to penetrate.

APPROVALS/COMPLIANCE

UL-94 HBF SWRI File

PROCESSING

Mixing	1. Mixing of B-Side (resin) is not required. 2. Mixing of A-Side (iso) is not required.
Pressure Settings	3. Product should be sprayed with a high pressure plural-component proportioner capable of a minimum of 1000psi dynamic pressure. 4. Static pressure is typically set between 1000-1400psi.
Temperature Settings	5. Primary heaters and hose heaters are typically set between 110-140°F (43-60°C). 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

1. Substrate temperature: 50-160°F (10-71°C).
2. Do not recirculate.
3. Outdoor environmental challenges and certain soil conditions such as excessive moisture, can impact performance of the foam. Contact SWD if you have application concerns.
4. When changing between any resin systems, flush hose lines and properly dispose mixed material.

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.

HEALTH & SAFETY

SWD Urethane is committed to the health and safety of our customers. QUIK-SHIELD® products should only be installed by a SWD Urethane certified contractor. Applicators are required to follow all proper handling, safety and installation procedures. For more information consult the product MSDS, contact the SPFA (www.sprayfoam.org) or the ACC (www.spraypolyurethane.org).