

DE NEEF[®] DeneSeal-P-2235

Polysulfide Joint Sealant

Product Description

DeneSeal-P-2235 is a high performance; NSF approved chemical resistant elastomeric joint sealant. Due to its high polysulfide polymer content, it is resistant to many chemicals, shrinkage, aging, thermal stress and the effects of outdoor exposure.

Product Applications

- Floor Joints
- Concrete Panels
- Harsh Chemical Environments
- Indoor/Outdoor Expansion Joints

Product Advantages

- May be used total water submersion applications
- Certified to NSF Standard 61, Sec. 6
- Retains elasticity even under harsh conditions
- Excellent Chemical Resistance to mild acids, alkalis and petroleum
- Excellent Resistance to weathering
- Contains no volatile solvents

Limitations

Do not apply in temperatures less than 40°F or greater than 95°F. (material cures slower at cooler temperatures and working time will be substantially reduced at higher temperatures).

Packaging & Handling

Both components should be stored in a dry place at temperatures between 65°F and 80°F.

Properties

DeneSeal-P-2235

PROPERTY	TEST METHOD	RESULTS
Tensile Strength	ASTM D-412	150-200 psi
Elongation	ASTM D-412	500-550%
Hardness (Shore)	ASTM D-2240	25-30
Solids		100%
Joint Movement		+/- 25%
Pot Life	77°F	1 hour
Tack Free Time	77°F	6 hours
Full Cure Time	77°F	7 days

Note: The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

JOINT WIDTH (INCHES)	JOINT DEPTH	COVERAGE (LINEAL FEET/UNIT)
½	¼	220
½	⅜	140
¾	⅜	95
¾	½	70
1	½	52
1	¾	48

PACKAGING: 1.5 Gallon Units

COLORS: Bronze, Gray

Installation Guidelines

Concrete: Do not thin with solvents. Confirm product performance in specific chemical environment prior to use.

Substrate temperature must be at least 5°F above the dew point. Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants. Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed. Remove any laitance or weak surface layers. Concrete should have a minimum surface tensile strength of at least 300 PSI, as verified by an elcometer test. Surface profile shall be CSP-3 to CSP-5 meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile. Refer to DE NEEF® Surface Preparation Guidelines for more details.

Steel: For steel surfaces, a “White Metal” abrasive blast with an anchor profile of 2–4 mils in accordance with Steel Structures Painting Council Specification SP-5-63 or NACE No. 1 is required for immersion service. For splash and spillage exposure, a “Near White”, SP-10-63 or NACE No. 2 is required.

1. Prime surface with DeneSeal 5050 Primer for immersion applications. See datasheet for application details.
2. Install a backer rod or other type of bond breaker into the joint. Ideally the joint depth should be one half the joint width.
3. Add Component B to Component A and mix at slow speed (250–300 RPM) with a 1/2” drill and a jiffy-mixing paddle until material is completely blended. Typical mixing time is 3–5 minutes. Scrape down sides of the container and mixing paddle periodically during mixing. Thorough blending of the components is essential for maximum performance.
4. DeneSeal-P-2235 is supplied in a non-sag consistency that will gun easily with conventional caulking equipment. Fill joint completely. Proper width to depth ratios must be maintained.
5. Tooling is required immediately after application to ensure full contact with the joint interfaces. Dry tooling is preferred. Care should be taken to avoid contamination of open joints. Blocking may be required.
6. For best results, clean tools and equipment with a nonflammable and non-evaporating cleaner. Always wear gloves when using this product.

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