

DURAL® 340 SL, DURAL® 340 NS

CONSTRUCTION AND CONTROL JOINT FILLER AND TRAFFIC LOOP SEALANT

DESCRIPTION

DURAL 340 SL AND DURAL 340 NS are two component, 100% solids epoxy resin joint fillers.

PRIMARY APPLICATIONS

- Filling concrete construction joints
- Control joints
- Sawcut joints
- Cracks in concrete and asphalt
- Traffic loop sealant
- Wire sealant

FEATURES/BENEFITS

- Will protect joint edges and prevent spalling in control and relief joints
- Is flexible, yet hard enough to resist the imbedding of sand, stones and dirt
- Has high bond strength, good rigidity, chemical resistance to mild acids/alkalis, incidental contact with aromatic aliphatic solvents
- Has excellent thermal shock resistance
- DURAL 340 NS is a non-sag version used for vertical surfaces or horizontal sloped surfaces
- ▲ Can contribute to LEED points

TECHNICAL INFORMATION

Material Properties @ 75°F

	DURAL 340 SL	DURAL 340 NS
Mix Ratio (A:B by vol.)	1:1	1:1
Mixed Viscosity , (cps)	4,000 to 7,000	Gel
Gel Time (100 gm), mins	50 to 60	50 to 60
Pot Life (2 gal. unit), mins	30 to 45	30 to 45
Tack Free Time , hours	5 to 6	5 to 6
Hardness - Shore A, ASTM D 2240	80 to 90	85 to 90
Tensile Strength , psi, (MPa)		
ASTM D 638	700 to 800 (4.8 to 5.5)	–
Tensile Elongation , %, ASTM D 638	95 to 105	–

Values presented are typical and are not necessarily referenced to create specifications.

Appearance

Light Gray is Standard. Custom colors are available when minimum order criteria are met.

PACKAGING

DURAL 340 SL and DURAL 340 NS are packaged in 10 gal (37.85 L) and 4 gal (15.5 L) units.

SHELF LIFE

2 years in original, unopened, properly stored package.

SPECIFICATIONS/COMPLIANCES

- USDA compliant

COVERAGE

Approximate gal (L) per 100 linear feet (30 m) of joint.

Joint Depth, in (cm)	Joint Width in (cm)			
	1/4" (.63)	1/2" (1.27)	3/4" (1.9)	1" (2.5)
1/4" (.63)	.33 (1.2)	.65 (2.5)		
3/8" (.95)		1.0 (3.8)	1.5 (5.7)	1.9 (7.2)
1/2" (1.27)		1.3 (4.9)	1.9 (7.2)	2.6 (9.8)
3/4" (1.9)		1.9 (7.2)	2.9 (11.0)	3.9 (14.8)
1" (2.5)			3.9 (14.8)	5.2 (9.7)



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

An **RPM** Company



DIRECTIONS FOR USE

Surface Preparation: Surface must be structurally sound, dry, clean, free of dust, dirt, grease, oil, coatings, laitance, and other contaminants that would interfere with proper adhesion. Surface should be abrasive blasted, or water blasted. Rout all cracks to at least 1/4 in (0.63 cm) wide and deep. Saw-cut joints in concrete and/or asphalt should be thoroughly flushed with water under pressure, the joint should then be blow dried with oil free compressed air until all debris from sawing is removed from the joint. Joints must be completely dry before applying the DURAL 340 SL and DURAL 340 NS. Do not apply if rain is forecast within 18 to 24 hours.

Mixing: Premix Part A and Part B. Combine 1 part by volume of Part A to 1 part by volume of Part B and mix thoroughly with a slow speed motor and mixing blade. A drill and Jiffy mixer is acceptable. Do not thin. Scrape the side and bottom of the mixing container to assure uniform and complete mixing. Mix for 2 to 3 minutes. Do not aerate mix.

Application: Gun DURAL 340 SL and DURAL 340 NS into the construction/control joints with a bulk caulking gun, pressure extruder, or other low pressure extrusion methods. Apply the sealant from the bottom of the joint up, to minimize voids or air pockets. Any topping off with product, and subsequent retooling of the joint should be done prior to the product achieving its initial set. When DURAL 340 is used as a traffic loop sealant, start at the highest elevation and pour into the sawed joint until it is filled to 2/3rd of its full depth. Allow DURAL 340 to settle around the wires. Immediately thereafter make a second application to completely fill the slot. Do not apply when temperature is below 50°F (10°C). Allow to cure for 24 hours at 75°F (24°C), or longer at colder temperatures, before opening to traffic.

CLEAN-UP

Clean tools and equipment immediately after application with Xylene or Aromatic 100. Clean up spills and drips while still wet with the same solvents. Dried DURAL 340 SL and DURAL 340 NS will require mechanical abrasion for removal.

PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F to 90°F (10°C to 32°C).
- Protect from moisture.
- Do not thin DURAL 340 SL and DURAL 340 NS.
- Cure concrete a minimum of 28 days before application since the sealant acts as a vapor barrier.
- Do not store below 50°F (10°C) or above 90°F (32°C).
- Do not apply to frozen or frost filled substrates, or when the temperature is below 50°F (10°C), or expected to fall below that temperature within 24 hours.
- Not intended for areas subject to constant immersion.
- Not intended for areas subject to prolonged or strong chemical attack.
- Not intended for expansion joints or to repair any type of moving cracks.
- When using on asphalt substrates a test patch is recommended to evaluate bond.
- DURAL 340 SL and DURAL 340 NS should not be used in expansion joints, or to repair any type of moving cracks.
- In all cases, consult the Material Safety Data Sheet before use.

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.