



# DURAL<sub>340</sub> SL, DURAL 340 NS

## CONSTRUCTION AND CONTROL JOINT FILLER AND TRAFFIC LOOP SEALANT

EUCLID CHEMICAL

JOINT FILLERS & SEALANTS

DURAL 340 SL, DURAL 340 NS

MASTER FORMAT #: 00 92 09

### DESCRIPTION

DURAL 340 SL and DURAL 340 NS are two-component, 100% solids, semi-rigid epoxy joint fillers. DURAL 340 SL & NS are available in a Standard Grey color and a Neutral Base, that can be colored with EUCLID UNIVERSAL COLOR PACKS.

### PRIMARY APPLICATIONS

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

### FEATURES / BENEFITS

- Protects joint edges and prevents spalling in control joints
- High bond strength
- Resistance to mild acids/alkalis and incidental contact with aromatic solvents
- Excellent thermal shock resistance
- DURAL 340 NS is a non-sag version used for vertical surfaces or sloped horizontal surfaces
- DURAL 340 SL is a self-leveling formulation used for horizontal surfaces

### TECHNICAL INFORMATION

#### Material Properties @ 24°C

PROPERTY	DURAL 340 SL	DURAL 340 NS
Mix Ratio (A:B by volume)	1:1	1:1
Mixed Viscosity (cp)	4,000 to 7,000	Gel
Gel Time (100 g), minutes	50 to 60	50 to 60
Pot Life (full unit), minutes	30 to 45	30 to 45
Tack Free Time hours	5 to 6	5 to 6
Shore A Hardness ASTM D 2240	80 to 90	85 to 90
Tensile Strength ASTM D 638 MPa	5.5	-
Tensile Elongation % ASTM D 638	95 to 105	-

**Appearance:** DURAL 340 NS & SL are available in Standard Grey and in a Neutral Base, that can be coloured using EUCLID UNIVERSAL COLOUR PACKS.

### PACKAGING

DURAL 340 SL AND DURAL 340 NS are packaged in 15.5L units.

### SHELF LIFE

2 years in original, unopened package.

### COVERAGE

Approximate L per 30 m of joint

Joint Depth in cm	Joint width in cm			
	0.63	1.27	1.9	2.5
0.63	1.2	2.5	3.7	4.9
0.95	1.8	3.7	5.5	7.4
1.3	2.5	4.9	7.4	9.8
1.9	3.7	7.4	11.1	14.8
2.5	4.9	9.8	14.8	19.7

## SPECIFICATIONS / COMPLIANCES

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USDA compliant

## DIRECTIONS FOR USE

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**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 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 blown dry with oil-free compressed air until all debris from sawing is removed from the joint. Joints must be completely dry before installing DURAL 340 SL and DURAL 340 NS.

**Mixing:** Premix Part A and Part B separately. 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.

**Euclid Universal Colour Packs:** DURAL 340 SL & NS can be colored using 1 EUCLID UNIVERSAL COLOUR PACK (EUACO Pack) per 15.5L unit. Prior to mixing the unit together, stir the appropriate amount of colors packs into the part "A" side of the product until it is fully dispersed. Proceed with mixing as stated above. EUCLID UNIVERSAL COLOUR PACKS are available in 33 standard colours, see EUCLID UNIVERSAL COLOR CHART for available colours.

**Application:** Gun DURAL 340 SL and DURAL 340 NS into the joints with a bulk caulking gun, pressure extruder, or other low pressure extrusion methods. Apply the material from the bottom of the joint upward to minimize voids or air pockets. Any topping off or subsequent retooling of the joint filler 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 2/3 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 10°C. Allow to cure for 24 hours at 24°C, or longer at colder temperatures, before opening to traffic.

## CLEAN UP

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Clean tools and equipment immediately after application with acetone. Clean up spills and drips while still wet. Dried DURAL 340 SL and DURAL 340 NS will require mechanical abrasion for removal.

## PRECAUTIONS / LIMITATIONS

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- Store at temperatures between 10°C to 32°C.
- Do not apply to frozen or frost filled substrates, or when the temperature is below 10°C, or expected to fall below that temperature within 24 hours.
- Protect from moisture. Do not apply to exterior surfaces if rain is forecast within 24 hours.
- Not intended for areas subject to constant immersion.
- Not intended for areas subject to prolonged or strong chemical attack.
- 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.
- 1 EUCLID UNIVERSAL COLOUR PACK (EUACO Pack) per 15.5L unit. DURAL 340 NS & SL are not UV stable. If aesthetics are a major issue, consider using EUACO QWIKJOINT UVR polyurea joint filler.
- 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 Safety Data Sheet before use.

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