



DURAL 340 SL

Construction and Control Joint Filler and Traffic Loop Sealant

Description

DURAL 340 SL is a two-component, 100% solids, semi-rigid epoxy joint filler. DURAL 340 SL is available in grey colour.

Primary Applications

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

Primary Applications

- 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 SL is a self-leveling formulation used for horizontal surfaces

Technical Information

Material Properties @ 24°C	
Mix Ratio (A:B by volume)	1:1
Mixed Viscosity (cp)	7000 to 9000
Gel Time (100g), minutes	40 to 50
Pot Life (full unit), minutes	30 to 45
Tack Free Time, hours	5 to 6
Shore A Hardness ASTM D 2240	80 to 90
Tensile Strength, MPa ASTM D 638	2.5
Tensile Elongation % ASTM D 638	100

Appearance: DURAL 340 SL is available in Standard Grey.

Packaging

DURAL 340 SL is packaged in 5L and 10L sets. The mix ratio is 1:1 by volume.

Shelf Life

2 years in original, unopened, properly stored package.

Coverage

Approximate L per 30m of joint

Joint Depth (cm)	Joint Width (cm)			
	0.65	1.5	2.0	2.5
0.65	1.3	2.9	3.9	4.9
1.0	2.0	4.5	6.0	7.5
1.5	3.0	6.8	9.0	11.3
2.0	3.9	9.0	12.0	15.0
2.5	4.9	11.3	15.0	18.8

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 0.65 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.

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 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: Pour DURAL 340 SL into the joints. Apply the material from the bottom of the joint upward to minimise 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 SL 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 SL 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

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

Precautions / Limitations

- 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.
- Cure concrete a minimum of 28 days before application since the sealant acts as a vapour barrier.
- DURAL 340 SL 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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