

ENESEAL 777

Flexible polyester cable loop sealant

DESCRIPTION

ENESEAL 777 is a two component, polyester based sealant for sealing joints and grooves in concrete or asphalt pavements. It chemically cures to form a tough but flexible seal, accommodating continuous cyclic movement of up to 10% of the joint width as a total movement, whilst giving excellent weathering and chemical resistant properties. **ENESEAL 777** is supplied in pre weighed pouring grade packs ready for at site mixing and use.

USAGES

- Sealing horizontal joints around runway or apron lights
- Seal cable slots or loops in concrete or asphalt roads and pavements
- Particularly for traffic signals, electronic barriers and traffic counters

TECHNICAL DATA

| ENESEAL 777 | Typical values |
|-------------------------------------|----------------|
| Appearance | Black |
| Pot Life @35°C | 10 – 15 min |
| Initial cure @35°C | 30 min |
| Shore hardness @day 7 | > 85 |
| Compressive Strength @day 7 | 17 – 12 MPa |
| Movement accommodation factor (MFA) | 10% |

ADVANTAGES

- Hydraulic fluid, oil, & fuel resistant
- Tough rubbery seal, tolerant to climatic variations
- Improved sealing efficiency
- Requires less maintenance
- High movement accommodation
- Self-leveling pouring grade
- Cold applied-no heating equipment required

USAGE INSTRUCTIONS

1. Surface preparation

Concrete & Asphalt

Long term durability and function can only be achieved with good preparation to give a strong adhesive and mechanical bond to the substrate.

Concrete surfaces particularly if new, should be fully cured with a maximum residual relative humidity (RH) of 75%, clean and free from contamination such as dust, oil, grease, organic growth, release agents & curing compounds.

Damp concrete is permitted however all standing water & puddles must be removed prior to the application of **ENESEAL 777**.

Existing joint sealants unless well bonded should be raked out and the joint faces mechanically prepared to remove existing primers and sealant residues.

Form new joints using **ENESEAL XL** around runway and apron lights or saw cut the substrate to a minimum depth of 20 mm for cable loops.

Clean the joints thoroughly after preparation and apply masking tape either side of the joint to protect surfaces from excess material and achieve a uniform finish.

Insert **ENESEAL XL** or **ENESEAL PBR** into the prepared joint to create a slot for the sealant.

For joints subject to traffic, the minimum depth of sealant must be 20 mm.

Steel

Mechanically prepare steel surfaces to remove rust or other loose materials to provide a mechanical key for **ENESEAL 777**.

2. Priming

For concrete & asphalt priming is not normally required however please ensure the substrate is clean, sound and free from contamination.

For steel, prime exposed steel with 2 coats of **PIOPRIME ZINC RICH** to provide an even, continuous, unbroken coating. Allow to dry fully before applying **ENESEAL 777**.

3. Mixing

Empty the resin component into a suitable empty container with sufficient volume to accommodate the total yield of the material.

Add the powder component to the resin and mix using a slow speed drill and paddle for 2-3 minutes until a uniform color & consistency is achieved.

4. Application

Once mixed, crush the top of the can to form a spout then pour the sealant carefully then finish the sealant level to achieve smooth finish using washing liquid.

5. Curing

Allow **ENESEAL 777** to cure fully for 3-4 hours before exposing to full mechanical, chemical or environmental conditions.

PACKAGING

ENESEAL 777 is supplied in 5 liters set, component A & B.

HEALTH & SAFETY

Before applying **ENESEAL 777**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

STORAGE & SHELF LIFE

ENESEAL 777 shall be stored in its sealed container under dry and shaded place in a temperature from 10°C - 35 °C, shelf life of the material is 12-months.

COVERAGE & CONSUMPTION

| Joint size in mm (w x d) | LM per 5 litre pack |
|--------------------------|---------------------|
| 10 x 10 | 50.0 |
| 12 x 10 | 41.6 |
| 15 x 10 | 33.3 |
| 20 x 10 | 25.0 |
| 15 x 15 | 22.2 |
| 20 x 15 | 16.7 |
| 25 x 15 | 13.3 |
| 20 x 20 | 12.5 |
| 25 x 20 | 10.0 |
| 30 x 20 | 8.3 |

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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