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EABASSOC

PRODUCT INFORMATION

EABASSOC Lo-Mod – Elastomeric Joint Sealant

Description

EABASSOC Lo-Mod is a one component, multi-purpose expansion joint sealant, which is easy to apply and which does not require primer in most cases. It cures to give a very flexible, long lasting waterproof seal, capable of withstanding 50% movement. EABASSOC Lo-Mod seals concrete, granite, marble, uPVC, glass, wood, metal, and various plastics. It is suitable for joints up to 25mm wide.

Uses

- * vertical and horizontal expansion joints including those in prefabricated constructions, cladding panels, etc.
- * perimeter caulking of window and door frames including uPVC.
- * any other application involving a high degree of deformation, and requiring a sealant having a high elongation and a low modulus of elasticity.

Technical Data

1. In Mastic State

Appearance:	Soft paste
Colours:	White, grey, limestone, black, bronze, brown
Specific Gravity:	1.24
Packaging:	310 ml cartridges; 600 ml 'sausages'
Application temp:	5 to 40 °C
Sag/Slump:	none (ISO 7390)
Skin-over time:	12 minutes (at 25 °C and 50% RH)
Tack-free time:	2 hours (.....".....)
Curing time:	5 mm depth per week (.....".....)
Shelf life:	18 months in unopened packing at 5 to 25 °C

2. Cured Sealant

Service temperature:	-50 to +120 °C
Hardness:	18 Shore A
Elongation:	500% (2 mm thick film; ASTM D412)
Tensile strength:	1.0 N/mm ² (.....".....)
Elastic recovery:	90% (ISO 7389)
Movement accommodation:	+25%
Resistances:	Resists UV radiation, ozone, rain, salt spray, dilute bases and short term exposure to most common solvents and hydrocarbons.
Limitations:	May be affected by acids and oxidants. Not recommended for contact with certain rubber or where abrasion or other mechanical damage may arise. Avoid contact with food.

Advantages

- * Excellent weather and UV resistance
- * Excellent adhesion without primer
- * High elongation
- * 50% Movement accommodation
- * Low modulus/Low strain
- * Lasts many years
- * Easy Application and tooling
- * Neutral cure/No stain/No smell

Conforms to ASTM C920:87 :-

1. No sag or deformation
2. 18 shore A hardness
3. Tack-free in 2 hours
4. Extrusion rate only 3 seconds
5. No stain
6. Weight loss on heat ageing only 3.37%, no cracks or chalking
7. No cracks after high temperature UV test, no cracks at -26 °C cold bend test
8. Adhesive strength 8.2 kg, no bond failures at all
9. No loss of adhesion or cohesion during cyclic movement

Application

Design:

Joints must be properly designed and wide enough to cope with the anticipated movement. They must conform in all respects to recognised standards. Particular attention must be paid to ensure correct joint depth (depth is normally one half of the width) and to avoid adhesion of the sealant to the back of the joint. Bond breaker tape or joint backing rod should always be used.

Surface Preparation:

Joint faces must be clean, dry, free from grease, old sealant and other contaminants. Remove dust using oil-free compressed air.

Priming is not normally necessary. (Priming *is* necessary in the case of continuous water immersion).

Sealant Application:

Extrude the sealant using a cartridge or bulk sealant gun, ensuring that the joint is completely filled without leaving air pockets or voids. Tool the sealant before skin formation starts using a dry spatula. Ensure that the sealant is firmly pushed against the sides of the joint.

Estimation:

joint size	metres per cartridge	metres per sausage
5 x 5 mm	12.4	24.0
8 x 8 mm	4.8	9.4
15 x 8 mm	2.6	5.0
20 x 10 mm	1.5	3.0
25 x 12.5 mm	1.0	1.9

IMPORTANT

Whilst joints sealed with EABASSOC LO-MOD are usable as soon as application is complete, the full performance properties will not be acquired until full cure is attained after several days.

This is especially Important when performing specification tests on The product. Please allow sufficient time before testing.

Warehousing

Packaging: 310 ml cartridges; 600 ml 'sausages'

Storage: Store between 5 to 25 °C

Shelf life: 18 months in unopened packing

Health and Safety

Although EABASSOC LO-MOD is essentially non-hazardous, avoid eye contact and prolonged skin contact. Rinse thoroughly with clean water. Seek medical help if eye irritation persists. Do not swallow. Provide ventilation during the curing process.