

FC 446



FC446 - Bolt Cavity Infill

Description

FC446 is a flexible epoxy system filled with shredded rubber to act as an economical filler for bolt cavity infills in Miska ALNL bridge expansion joints.

Properties

Tensile Strength ASTM D 638 - 82	6.5 mPa
Ultimate Elongation ASTM D 638 - 82a	150%
Compressive Strength ASTM D 395 - 78 Method B of final mix	17 mPa
Durometer Hardness ASTM D 2240 - 81 Type D	35 ± 5
Concrete Bond Strength	3.4 mPa (Concrete Failure)
Coverage	10kg per 2.5LM joint (BJ1 type)
Pot Life	@ 20°C 1 - 2 hours
Curing Time	@ 20°C Initial Set 3 hours Full cure 2 - 7 days

Installation

- ◇ Remove all foreign matter and water from the bolt cavity.
- ◇ Mix FC446 Parts A & B and slowly add rubber infill until a uniform mix is obtained. (NB: Less rubber can be used if required).
- ◇ Place mixed FC446 into bolt cavity infill and trowel level to top of the aluminium extrusion.
- ◇ Allow to fully cure before allowing traffic over joint.

Handling Instructions

Avoid contact with skin and eyes by using goggles and rubber gloves. Do not use in fully confined spaces without adequate ventilation.

Disclaimer: The information contained in this publication is intended to give a fair description of the products and their capabilities. No responsibility or liability by the manufacturers will be accepted for misuse, misreading or deviation from the recommended guidelines of these products. As new technology is introduced, or industry standards are altered, Miska reserves the right to alter existing specifications without notice.

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