



MCR SIL-MU - INTUMESCENT SEAL

The mcr Sil-MU seal is designed to be used wherever reduced mechanical strength is required, e.g. on wood, steel and aluminium fire doors, fire doors for special areas of application, as well as for ventilation and smoke exhaust ducts, cable ducts, the sealing of windows, facades and others.

The mcr Sil-MU intumescent seal is made of hydrated calcium silicate reinforced with glass fibre, covered with a layer of epoxy resin on both sides. It is activated in temperatures between 100°C and 120°C to form a rigid, non-combustible foam which provides a high level of thermal insulation. It expands in one direction to at least five times its original thickness. The swell pressure generated in the process may reach 1.5 N/mm². This provides an effective barrier to escaping flames, smoke and hot gases around the circumference of the component, where the seal is installed.

Features

- very quick and easy installation

Technical data

GENERAL

Product Type	intumescent gasket
Reaction to fire	A2 class non-flammability
Appearance	rolled strips with a total length of 2,100 mm long, 30 mm wide and 2 mm thick
Dimensions	length 2,100 mm / width 30 mm ± 0.5 mm / thickness 2 mm ± 0.4 mm

PHYSICAL FEATURES

Swelling height (10 minutes at 550°C under fire load)	>5 x original height
Swelling pressure	≥ 0.9 N/mm ²
Thermal conductivity at 20°C	0.8 W/mK
Water content	from 25% to 40% by weight

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Areal weight (average)	3.0 kg/m ²
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Additional description

The surface to be protected with the mcr Sil-MU seal should be clean and dry. Remove any loose paint from the surface.

The seal can be fixed by gluing, but also with the use of a double-sided adhesive tape or any mechanical fasteners.

Store in a dry place at temperatures of -20°C to +40°C.