

DUROINJECT HYDROPHOBIC

Hydrophobic Foaming Grout



DESCRIPTION

Duroinject hydrophobic is an MDI urethane prepolymer designed to be used with the Duro Accelerator as a Durocatalyst 1 as a grouting system, which reacts when it comes into contact with water to form a hydro active hydrophobic foam.

TYPICAL LIQUID PROPERTIES

Appearance	Dark coloured liquid
Specific Gravity	1.21
Viscosity, mPaS (21°C)	106
Expansion	up to 2500%

Expansion is dependent on the temperature and the addition level of the accelerator.

TYPICAL REACTION DATA (21°C)

Lab Hand Mix	
Duroinject	25g
Durocatalyst 1	2.5g
Water	2.5g
Cream Time:	16s
Gel Time:	44s
Rise time:	79s
Tack free time:	122s

STORAGE AND HANDLING PRECAUTIONS

Containers of Duroinject hydrophobic should be kept properly closed and stored indoors in a well-ventilated area under normal factory conditions. Storage at room temperature (20-25°C) also provides a convenient viscosity for handling. Storage at low temperatures (below 15 C) is not recommended because it may lead to some crystallisation. If crystallisation does occur, meltout at 70-80C will be necessary. Storage at temperatures above 50C is not recommended since this can lead to the formation of insoluble solids, and also increases the rate of viscosity increase on extended storage. During handling Duroinject hydrophobic must be protected from water ingress and atmospheric moisture. Isocyanates react with water to form insoluble urea's and carbon dioxide gas which can result in pressure buildup in closed containers. Containers must be resealed immediately after each sampling. Containers used for Duroinject hydrophobic must be absolutely dry. Under the recommended storage conditions, and in properly sealed containers Duroinject hydrophobic has a storage life of 12 months.

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