

Technical product information

Application

A Class 1 – ODP Zero polyurethane spray system (in-situ foam) for the production of closed cell rigid foam. The system can be used to insulate and prevent condensation on a wide range of applications including roofs, walls, floors and soffits.

Chemical characteristics

A or Polyol component: A mixture of polyol, flame retardant, catalyst, stabiliser, and HFC blowing agent.

B or Isocyanate component: Polymeric diphenylmethane diisocyanate MDI (IsoPMDI 92140.)

Supply

The type of supply for the components will be decided after consultation with our Sales Office.

Storage, preparation

Polyurethane components are moisture sensitive. Therefore they must be stored at all times in sealed, closed containers. The A-component (Polyol) must be homogenised by basic stirring before processing. More detailed information should be obtained from the separate data sheet entitled "Information for in-coming material control, storage, material preparation and waste disposal" and from the component data.

Processing

WALLTITE® spray foam systems can be processed through all standard two component equipment designed for this purpose. This unit must be capable of maintaining a 1:1 by volume ratio, temperatures between 30 and 60°C using pre-heaters and heated hoses and pressures between 50 and 80 bar (700 to 1200 psi). Self cleaning, impingement mix spray guns are recommended.

Possible hazards

The B-component (Isocyanate) irritates the eyes, respiratory organs and the skin. Sensitisation is possible through inhalation and skin contact. MDI is harmful by inhalation. When processing MDI, take note of the necessary precautionary measures described in the Material Safety Data Sheets (MSDS). This applies also for the possible hazards in using the A-component (Polyol) as well as any other components. See also our separate information sheet "Safety and Precautionary Measures for the Processing of Polyurethane Systems" Use our Training Programme "Safe Handling of Isocyanate."

Waste disposal

More detailed information is provided in our country specific pamphlet.

Component Data

	Unit	A -Comp	B -Comp.	Method
Density (20°C)	g/cm ³	1.21	1.24	G 133-08
Viscosity (20°C)	mPas	200	220	G 133-07
Storage stability	Days	90	180	

