

INNOTHANE 45



إنوشيم انترناشونال ش.ذ.م.م

InnoChem International L.L.C.

Waterproofing & Insulation Materials

42-45KG Density

Technical Data Sheet

PRODUCT DESCRIPTION

INNOTHANE-45-(42-45/M3) Polyol / ISO INNO Isocyanate is a two-component rigid closed cell polyurethane spray foam. It is a fully water-blown system and in compliance

with O ODP and low GWP environmental regulations. INNOTHANE-45-(42-45/M3) has been designed for the thermal insulation of roofs in construction applications with an applied density of 42- 45 kg/m³

TYPICAL COMPONENT PROPERTIES

	Units	INNOTHANE-45-(42-45/M3) INNO Polyol	ISO INNO Isocyanate	Test Method
OH Number	mg OH/g	290		ASTM D 4274
NCO Content	%		31	ASTM D 5155
Viscosity, 25 °C	mPa.s	2500	200	ASTM D 4878
Specific Gravity, 25 °C		1,09	1,23	ASTM D 891

TYPICAL REACTION CHARACTERISTICS HANDMIX

	Units	
Gel time, 20 °C	s	11
Cream time, 20 °C	s	5
Free rise density, 20 °C	kg/m ³	38

These are typical values and should not be construed as specifications.



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RECOMMENDED PROCESS CONDITIONS

	Units	Limits
INNOTHANE-45-(42-45/M ³) Polyol	pbv	100
ISO INNO Isocyanate	pbv	100

TYPICAL POLYMER PROPERTIES

	Units	Limits	Test Method
Working ratio	volume	100/100	
Applied density	kg/m ³	42-45	BS EN 1602 : 1997
Thermal conductivity, 23 °C	mW/mK	24-25	ASTM C518 : 2015
Compressive strength	kPa	320	UNE EN 826
Tensile strength	kPa	265	BS EN 1608 : 2013
Dimensional stability linear change, 80 °C, 24 h	%	<2	BS EN 1604 : 1997
Reaction to fire classification		F	BS EN 13501-1 : 2018

HANDLING AND STORAGE

	Units	INNOTHANE-45-(42-45/M ³) Polyol	ISO INNO Isocyanate
Storage temperature	°C	15-20	15-25
Storage stability / Shelf life ⁽¹⁾	months	6	6
1. Stored in the original sealed drums in a dry place at the recommended temperature			

PRODUCT STEWARDSHIP

The InnoChem Company and its subsidiaries (“InnoChem”) has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with InnoChem products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

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SAFETY CONSIDERATIONS

Safety Data Sheets (SDS) are available from The InnoChem Company. SDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS are updated regularly, therefore, please request and review the most current SDS before handling or using any product. These are available from the nearest InnoChem sales office.

CUSTOMER NOTICE

InnoChem strongly encourages its customers to review both their manufacturing processes and their applications of InnoChem products from the standpoint of human health and environmental quality to ensure that InnoChem products are not used in ways for which they are not intended or tested, InnoChem personnel are available to answer your questions and to provide reasonable technical support. InnoChem product literature,

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