POLYOL SYSTEM

6222-45 W

DESCRIPTION

Polyol System 6222-45 W: This polyol system is a mixture which contains high functionality polyols, special catalysts, stabilizers and water. This system is rapidly cured.
Isocyanate MDI: It's made of diphenylmethane diisocyanate and dark in color.

APPLICATION

This system is used for isolation of ship tanks, pipe, terrace and construction. It is developed for special spray equipments. This system shows excellent adhesion on the surface due to special additives. Cover is recommended since uncovered foam is affected by UV-rays. Do not apply over 60 % RH. This system is water based.

LABORATORY TEST DATA

	Unit	Value	Method
Mixing Ratio (Polyol / İsosyanate)	Weight	100/110	
Cream Time	s	2-4	ASTM D 7487-08
Full Rise Time	s	4-10	ASTM D 7487-08
Free Density	kg/m³	30-34	DIN 51757:2011

TECHNICAL PROPERTIES

	Unit	Polyol	Isocyanate	Method
Storage Temperature	°C	15 -25	15 -25	
Shelf Life	month	6	6	
Specific Gravity	g/cm³	1,10 - 1,15	1,23	DIN 51757:2011
Viscosity (25°C)	mPa.s	350 ± 50	230 ± 30	DIN 53018
Free NCO Content	%	-	31,5 ± 1	ASTM D5155

APPLICATION CONDITION

	Unit	Polyol	Isocyanate	Method
Tank Temperature	°C	40-45	40-45	
Mold Temperature	°C	40-45		

MECHANICAL PROPERTIES

	Unit	Value	Method
Closed Cell Ratio	%	>90	ASTM D 4590
Compression Set (%10 Compression)	kPa	200±30	ISO 844 –2014
Thermal Conductivity	W/m.K	0,0245±0,0015	TS EN 12667
Molded Density*	kg/m³	48-52	DIN 51757:2011

STORAGE

Polyurethane systems are quite sensitive to humidity and temperature thus it is necessary to act according to the recommendations given in the Material Safety Data Sheet.

Containers should always be air tight and protected from water penetration.

Polyurethane Systems must be agitated before use.

Application temperature should be between 17-25˚c.

*Molded density can be change by amounth of layers.

CAUTIONS

Appropriate literature has been assembled which provides information concerning th health and safety precautions that must be observed when handling system components. Before working with these products, you must read and become familiar with the available information on their hazards, proper use, and handling.

This cannot be overemphasized.

Information is available in several forms, e.g., material safety data sheets and product labels.

DISPOSAL

It is applicator's responsibility to minimize the amount of waste material and dispose the waste according to local regulations.

SAFETY ADVICE

Protective eye wear, gloves , clothes and boots must be worn during production.

Must be refrained from contact with skin.

In case of contact with eyes and skin or consumption through mouth or nose, effected area must be washed throughly with large amounts of water for a minumum of 15 minutes. Medical care should be provided right after to prevent any possible bodily damage.