

# TECHNICAL DATA SHEET FLYPOLY CC 30

### **PRODUCT DESCRIPTION**

FLYPOLY CC 30 is a polyol system used in spray applications. The application rate is 1: 1 by volume. Thanks to its closed cell structure, it shows high thermal insulation performance even in thin applications. Polyol system does not contain ozone depleting CFC and HCFC blowing agents.

#### **DESCRIPTION OF PRODUCT'S COMPONENTS**

**POLYOL COMPONENT: FLYPOLY CC 30;** contains polyether polyol, catalyst, blowing agent, silicone **ISOCYANATE COMPONENT: FLY PMDI;** polymeric methylenediphenyldiisocyanate

#### **TYPICAL COMPONENT PROPERTIES**

	UNIT	FLYPOLY CC 30	FLY PMDI	TESTING METHOD
DENSITY (21°C)	g/cm <sup>3</sup>	1,0-1,2	1,20-1,25	DIN 51757
VISCOSITY (21°C)	MPa.s	350-500	160-240	ASTM D 4878
NCO CONTENT	%	<u>.</u>	30,5-31,5	ASTM 5155

RECOMMENDED PROCESS CONDI	ITIONS		$\mathbb{R}$
	NAME	UNIT	VALUE
POLYOL COMPONENT	FLYPOLY CC 30	By weight	100
ISOCYANATE COMPONENT	FLY PMDI	By weight	110

The information provided herein is true and accurate to the best of our research, experience and knowledge. However, in the case of changes in the conditions and application methods, nothing in this bulletin is to be taken as a warranty, and previous trials are recommended. For further information and assistance, service is supplied by our technical staff and laboratories. K.TDS.02.22.01.03.02.07/ REV.NO:0 1



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#### **PRODUCTION PROCESSING**

		UNIT	VALUE
COMPONENT TEMPERATURES		°C	30-40
APPLICATION SURFACE TEMPERATU	RE	°C	30-40
APPLICATION DENSITY		kg/m <sup>3</sup>	35-37

#### **\*TYPICAL REACTION CHARACTERISTICS OF COMPONENTS**

	UNIT	VALUE	TESTING METHOD
COMPONENT TEMPERATURES	<sup>0</sup> C	5	
CREAM TIME	S	6-8,5	INTERNAL FLY CHEMISTRY METHOD PR 001
GEL TIME	S	8-12	INTERNAL FLY CHEMISTRY METHOD PR 001
TACK FREE TIME	S	10-14	INTERNAL FLY CHEMISTRY METHOD PR 001
FREE RISE DENSITY	kg/m <sup>3</sup>	29-31,5	INTERNAL FLY CHEMISTRY METHOD PR 002

\*Tests were made by hand-mixed with mechanical stirrer at 3000 rpm in laboratory. Ambient temperature was measured 25°C. Actual values will be changed by high pressure and low pressure machine process. Reaction times start by mixing polyol component and isocyanate. Density is free rise density.

## \*HANDLING AND STORAGE

	UNIT	FLYPOLY CC 30	FLY PMDI
STORAGE TEMPERATURE	°C	15-25	15-25
*SHELF LIFE	Month	6	6

\*Product components are sensitive to moisture. So they must be stored in the original sealed drums at storage temperature. Polyol component must be mixed before use.

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#### NOTICE REGARDING SAFETY AND USAGE

Material Safety Data Sheet (MSDS) will be provided to you by **FLY CHEM** sales representative during the product supply. It is advisible to review this form before handling and use and also to check your own handling, safety and process contidions. It is necessary to dispose of the finished product drums according to MSDS. **FLY CHEM** commits protecting human health and the environment during the production conditions and customer conditions. So **FLY CHEM** is always ready to help its customers in this regard. Please contact to your **FLY CHEM** representative when you need help.

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