

# POL 555/2

Edition4 / Jan. 2022

## Description:

POL 555/2 is a fully formulated polyol designed for production of rigid polyurethane foam to fill and consolidate the gaps between dry walls and other cavities. It can be used in combination with C-pentane, HCFC141b or CFC 11 as blowing agent.

This Polyol is a mixture of polyols, glycols, activators (contains amine), stabilizer and does not contain any physical blowing agent.

The product is based on Diphenyle Methane Diisocyanate and may be used with all available brands of MDI possessing the below mentioned properties.

## POL 555/2

<b>Specification and typical properties</b>	Appearance	Light brown
	Viscosity at 25 ° C	approx. 930 cp
	Specific gravity at 25 ° C	approx 1.2 gr/cm <sup>3</sup>

## MDI

<b>Specification and typical properties</b>	Appearance	Dark brown liquid
	Viscosity at 25 ° C	approx. 160-240 mPa.s
	Specific gravity at 25 ° C	approx. 1.23 g/cm <sup>3</sup>
	NCO content	28-29 % by wt.
	Acidity max.	200 ppm HCl

## Processing Conditions and performance<sup>1</sup> (LAB TEST)

Product	Parts by weight	Cream time (sec.)	Gel time (sec.)	Free rise density kg/m <sup>3</sup>
POL 555/2	100	21-26	60-73	27-30
R141b	15			
MDI	110			

<sup>1</sup>Reaction characteristics at 24±1°C component temperature. Actual values vary depending on processing conditions.

**Laboratory conditions:**

Ambient temperature:	23-25 °C
Elevation:	1000 meters from sea level
Mixer speed:	6000 rpm
Mixing time:	10-12 s
Iso/Polyol temperature	24±1 ° C.
Mould temperature	40-45 ° C

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**Shelf life**          Shelf life is guaranteed for 6 months.

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**Safety Information**

Avoid direct skin contact as it may cause irritation/ blistering. If spilled over eyes, rinse them with eyewash solution and plenty of cold water.

If ingested, wash mouth with water and seek medical attention - do not induce vomiting.

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**Preparation**          Polyol has to be mixed very well before use.

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**Packing**            POL 555/2 will be delivered in 220 kg net drums or 1 MT IBC.

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This product is sensitive to moisture and drums must be closed very well.

Recommended storage temperature is between +15° and +25° C.

Polyol should not be stored below 15° C

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Storage life is guaranteed for 6 months.

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