

PURL SP-32



Two Part Polyurethane Spray Foam

PRODUCT DESCRIPTION	PURL SP-32 is an high density rigid polyurethane spray foam system designed to provide excellent insulating properties with a nominal applied density of 32 kg/m ³ .
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INTEND USES	Commercial and industrial wall and ceiling application where foam is applied into stud work or framed construction. It is to be installed according to the applicable building code of Australia Regulations and design codes.
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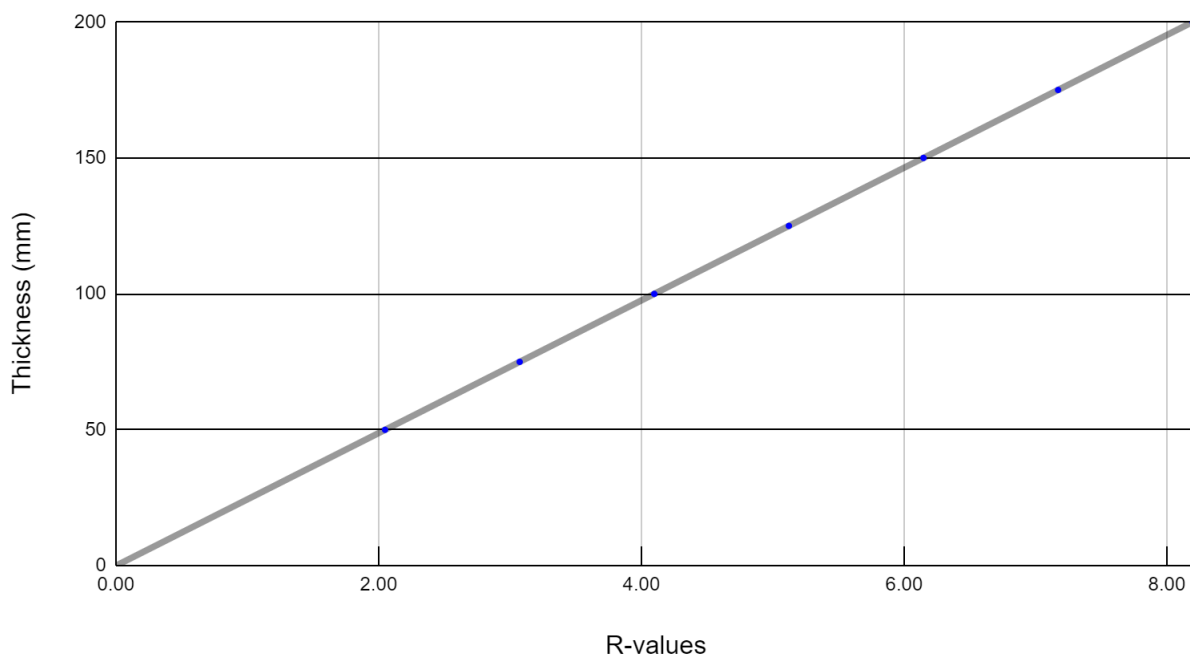
FEATURES	<ul style="list-style-type: none">• Excellent Insulating properties• Good Heat Stability• High Compressive Strength• 1:1 mix ratio for standard Graco Equipment
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PRODUCT DATA	Purl Part A		PURL SP-32 Part B	
	Appearance	Brown	Appearance	Straw coloured
	Specific Gravity (25°C)	1.23 g/mL	Specific Gravity (20°C)	1.17 g/mL
	Viscosity Cps (25°C)	220 mPa.s	Viscosity Cps (20°C)	360 mPa.s

MIXED PRODUCT DATA	Mix Ratio	1:1
	Cream Time	4 - 7 Seconds
	Rise Time	28 - 36 Seconds
	Free Rise Density	32 kg/m ³

TYPICAL CURED PROPERTIES	Test	Method	Result
	Core Density	ASTM D1622	32 kg/m ³
	Dimensional Stability	5% Volume (@24Hr)	Pass
	Closed Cell Content	ASTM D6226	> 95%
	Initial K Value	ASTM C518	0.024 W/mK
	R Value (@ 50mm)	Insulation thickness in meters divided by the K value	2.05
	10% Compressive Strength	ASTM 2498.3	> 100kPa
	Fire Performance	D1694 / ISO 3582	Self extinguishing after 0 - 3 Seconds
	VOC emissions "Greenstar"	CETEC D5116	0.01 over 24 Hrs
	limit = 0.5 mg/m ² /hr		

PURL SP-32 R-Vales at different Thickness



R-values	Thickness
2.05	50
3.07	75
4.10	100
5.12	125
6.15	150
7.17	175
8.20	200

EQUIPMENT SETTINGS

Graco Equipment	Graco E-30 and CS Fusion Gun
Dynamic Spray Pressure	> 1500 psi
Operating temperatures	25 - 40°C

SURFACE PREPARATION & APPLICATION

- The substrate temperature needs to be a minimum of 18°C to achieve good foam adhesion and effective product yield.
- Do not apply foam insulation to damp surfaces
- Check the atmospheric conditions to ensure the temperature of the surface to which the product is to be applied is a minimum of 3°C above the Dew point at the time of application.
- Windy conditions cause overspray that leads to contamination of surrounding areas and the lack of application control results in variable thickness and surface evenness.
- In internal application protect surrounding surfaces from overspray.
- Overbuilding the foam in the first pass during application can cause sagging.

LIMITATIONS	<ul style="list-style-type: none"> • The substrate temperature needs to be a minimum of 18°C to achieve good foam adhesion and effective product yield. • Do not apply foam insulation to damp surfaces • Product should not be sprayed in windy conditions as overspray can cause contamination of surrounding areas
STORAGE	Store in dry, shaded conditions away from sources of heat and ignition and in properly sealed containers. Protect from heat and frost. Protect contents from moisture. A shelf life of 12 months minimum is typical with unopened containers if stored at ambient conditions at 25°C. If either component is opened and partially used, it should be purged with nitrogen or desiccated air and resealed.
PACK SIZE	<p>400L Kit</p> <p>PU074 Purl SP-32 Part A 200L - 250Kg</p> <p>PU163 Purl SP-32 Part B 200L - 220Kg</p> <p>40L Kit</p> <p>PU074 Purl SP-32 Part A 20L - 25Kg</p> <p>PU163 Purl SP-32 Part B 20L - 22Kg</p>
DISPOSAL	<p>Liquid Systems: Liquid Ployol or isocyanate should be disposed of with an EPA approved industrial waste company which meet all applicable federal, state and local laws and regulations.</p> <p>Cure Urethanes: Fully reacted polyurethanes are inert and can be disposed of as regular landfill.</p> <p>Container: Dispose of contaminated drums in accordance with federal, state and local laws and regulations.</p> <p>Do not reuse empty containers.</p>
HEALTH & SAFETY	Water contamination can cause dangerous pressure build up in isocyanate drums. Product contains HFC that boils at 15°C. Storage at elevated temperatures will result in the build up of pressure. Caution must taken when opening containers to slowly release the pressure. Please download the most recent SDS from www.liquimix.com and read the Liquimix SDS prior to using Liquimix products.
NOTICE	The information contained herein is offered without charge and is for use by technically qualified personnel at their own risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto.