



Polyurethane Adhesives



The leading manufacturers
of polyurethane adhesives
and coatings

{ A bond for life }

Strong, durable and long-lasting Industrial Adhesives have a multitude of applications for our customers.

Leeson Polyurethanes Ltd, manufacture a broad range of solvent free polyurethane adhesives for structural bonding.

Both 1 component moisture cure, and 2 component polyurethane adhesives are available for application by roller, bead machine, hand spray and automatic spray.

Polyurethane Adhesives are commonly utilised in the production and manufacture of panels; ranging from insulated and vehicle panels, to panels for use in cold storage and flooring. Textile Adhesives are used to laminate flexible foams, domestic scourers, automotive trim, intimate apparel, garment textiles; an unlimited list of applications.

Industrial Adhesives have multiple uses on building sites for the construction industry. Hard-wearing products for tough jobs. Our Adhesives can withstand extremes of temperature, exposure to oil, water, acids and alkalis: whatever you throw at them, our resilient products stand up to the job.

We are constantly innovating with our hard-wearing, flexible products that can be applied in a wide range of settings; in fact, you are never far away from our products.



ADHESIVES

Typical applications:

- Insulated door panels
- Caravan panels
- Mineral wool building panels
- Insulated truck panels
- SIP Panels
- Modular (off site) buildings
- D4 wood bonding adhesive
- Architectural honeycomb panels

A bond for life

Adhesives Product Range

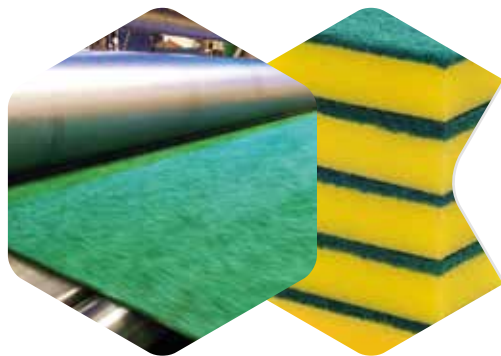
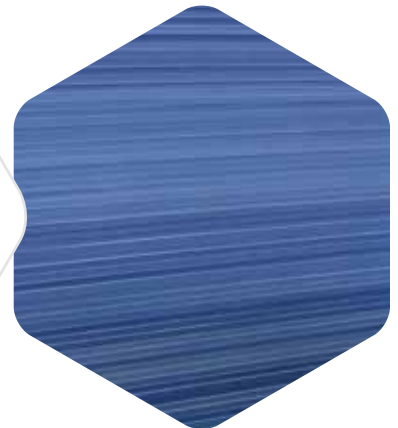


PU4353 - Caravan Laminations

- Single component moisture curing adhesive
- For bonding foam insulating materials to plastics, metals and woods
- Ease of spreading and fast low cost coverage
- Excellent flexibility and resistance to heat, cold, moisture and solvent
- Bond will withstand temperature ranges (-40°C to +140°C for extended periods without loss of strength)
- Solids 100%

D2655 - PVC Panels

- Single component moisture curing adhesive
- For laminating and panel manufacturing industries
- Bonding foam insulating materials and honeycomb to plastics, metals and woods
- Bead machine or roller applicator
- Economical, strong and flexible bond, resistant to high and low temperatures
- Panels may be assembled immediately after application



PU40300/40 & /90 - Textile Laminations

- Production of domestic scouring pads
- Good wash resistance
- Low viscosity to give consistent spray pattern
- Solids: 40%
- Solvent System: Methylene Chloride, Ethyl Acetate


























PU4694 - Insulated Truck Panels

- Two component polyurethane adhesive
- Provides weather resistant bonding to a wide variety of substrates
- Good open time to press time ratio
- High long term panel strength
- Proven track record
- Excellent resistant to heat, cold, moisture and solvent






Adhesives Selector Guide

One Component Solvent Free

PRODUCT	D2655	D2877	PU4545	D3184	PU4650/20	PU4353
Product Description	Mositure cure single component adhesive	Mositure cure single component adhesive - D4 rated to EN 204	Mositure cure single component adhesive	Mositure cure single component adhesive	Mositure cure single component adhesive	Mositure cure single component adhesive
Key Application Area	PVC and General Panel Laminating	Wood Laminating - Construction, Engineered Wood Flooring	HPL/ Wood/ Insulation Panel Laminating	PVC and General Panel Laminating	Flexible Foam Laminating - PU Foam, Cellulose to Abrasive Scrim	Caravan Panel Laminating - Floors, Roofs, Walls & Bulkheads
Key Property	Economical	Economical	Economical	Economical	Economical	Economical
	Flexible	Flexible	Flexible	Flexible	Flexible	Flexible
	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)
	Chemical Resistant	Chemical Resistant	Chemical Resistant	Chemical Resistant	Chemical Resistant	Chemical Resistant
Colour	Green	Unpigmented Brown	Unpigmented Brown	Green	Unpigmented Pale Yellow	Green
Application Method	Bead/Roller	Bead/Roller	Bead/Roller	Bead/Roller	Spray/Roller	Bead/Roller
Water Mist Application	Yes	No	Yes	Yes	No	Yes
Viscosity at 23°C	3,400 ± 500 mPa.s	5,000 ± 1,000 mPa.s	3,500 ± 1,000 mPa.s	3,400 ± 500 mPa.s	3,400 ± 500 mPa.s	3,500 ± 500 mPa.s
Open Joint Time at 19°C	26 minutes	20 minutes	20 minutes	16 minutes	30 minutes	18 minutes
Press Time at 19°C	65 minutes	50 minutes	50 minutes	40 minutes	75 minutes	45 minutes
Coverage	Min 100 gsm	Min 100 gsm	Min 100 gsm	Min 100 gsm	Min 100 gsm	Min 100 gsm
Specific Gravity	1.13 gm/cc	1.13 gm/cc	1.13 gm/cc	1.13 gm/cc	1.13 gm/cc	1.13 gm/cc
Variable Working Time Options						
Bonded Substrates						
Metals	Steel, Alu, SS	Steel, Alu, SS	Steel, Alu, SS	Steel, Alu, SS	Steel, Alu, SS	Steel, Alu, SS
Composites	GRP	GRP	GRP	GRP	GRP	GRP
Thermoplastics	PVC	PVC	PVC	PVC	PVC	PVC
Misc	EPS, XPS, Wood, Rubber Etc	EPS, XPS, Wood, Rubber Etc	EPS, XPS, Wood, Rubber Etc	EPS, XPS, Wood, Rubber Etc	EPS, XPS, Wood, Rubber, Foam Etc	EPS, XPS, Wood, Rubber Etc
Pack Sizes						
5lt						
20lt						
205lt						
1000lt IBC						

One Component

PRODUCT	PU403
Product Description	High ta componer
Key Application Area	Fabric La Foam La
Key Property	Econ
	Fle
	Temp Resi (-40c to
	Chemical
Colour	Unpig
Application Method	Spray
Water Mist Application	N
Viscosity at 23°C	225 ± 2
Open Joint Time at 19°C	40 se
Press Time at 19°C	5 se (nip
Coverage	Min 10
Solvent	MeCl
Specific Gravity	1.
Variable Working Time Options	
Bonded Substrates	
Metals	
Composites	
Thermoplastics	
Misc	Fabric, Fo
Pack Sizes	
5lt	
20lt	
205lt	
1000lt IBC	



Solvented

00/40D	PU40300/90D	PU45025B/05
High tack single component adhesive	High tack single component adhesive	High tack single component adhesive
Fabric Lamination, Foam Lamination	Fabric Lamination, Foam Lamination	Fabric Lamination, Foam Lamination, Intimate Apparel
Economical	Economical	Economical
Flexible	Flexible	Flexible
Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)
Chemical Resistant	Chemical Resistant	Chemical Resistant
Unpigmented	Unpigmented	Unpigmented
Hand Spray	Hand Spray	Spray
No	No	No
225 ± 25 mPa.s.	225 ± 25 mPa.s.	150 ± 50 mPa.s.
90 seconds	90 seconds	90 seconds
15 seconds (nip roller)	15 seconds (nip roller)	5 seconds (nip roller)
Min 100 gsm	Min 100 gsm	Min 100 gsm
MeCl2/ EA	MeCl2/ EA	EA
1.17	1.17	1.02
●	●	●
Fabric, Foam, Scrim	Fabric, Foam, Scrim	Fabric, Foam, Scrim
●	●	●
●	●	●

Two Component

PRODUCT	D2620/1	PU4694/100LT	PU4866/10	PU4192	PU4289D
Product Description	Two component adhesive	Two component adhesive	Two component continuous laminating adhesive - A2 rated to ISO 1716	Two component continuous laminating adhesive	Two component continuous laminating adhesive
Key Application Area	Structural bonding	GRP Insulated Truck Panels	Steel Faced Mineral Wool Panels	Steel Faced Mineral Wool/ PIR /EPS Panels	Steel Faced Mineral Wool/ PIR /EPS Panels
Key Property	Economical	Economical	Economical	Economical	Economical
	Chemical Resistant	Chemical Resistant	Chemical Resistant	Chemical Resistant	Chemical Resistant
	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)	Temperature Resistant (-40c to +140c)
			Flexible	Flexible	Flexible
Colour	Unpigmented	Unpigmented	Unpigmented	Unpigmented	Unpigmented
Application Method	Trowel	Roller, Bead	Bead	Bead	Bead
Water Mist Application	No	No	No	No	No
Viscosity at 23°C - Part A	Thixotropic	9,000 ± 1,500 mPa.s.	19,000 ± 3,000 mPa.s.	350 ± 100 mPa.s.	800 ± 150 mPa.s.
Viscosity at 23°C - Part B	300 ± 75 mPa.s.	300 ± 75 mPa.s.	300 ± 75 mPa.s.	300 ± 75 mPa.s.	300 ± 75 mPa.s.
Pot Life at 19°C	60 minutes	30 minutes	-	-	-
Open Joint Time at 19°C	60 minutes	90 minutes	Up to 10 minutes	50 seconds	40 seconds
Press Time at 19°C	60 minutes	230 minutes	2.5 minutes	50 seconds	40 seconds
Coverage	1500 gsm	Min 200 gsm	Min 100 gsm	Min 100 gsm	Min 100 gsm
Specific Gravity - Part A	-	1.58	1.70	1.02	1.05
Specific Gravity - Part B	-	1.23	1.23	1.24	1.24
Variable Working Time Options	-	●	●	●	●
Mixed ratio by Weight (A:B)	5:1	5:1	6.08:1	1:1.21	1:1.18
Bonded Substrates					
Metals	Steel, Alu, SS	Steel, Alu, SS	Steel	Steel	Steel
Composites	GRP	GRP			
Thermoplastics	PVC	PVC			
Misc	Stone, Concrete, Ceramic Tiles, EPS, XPS, Rubber	Wood, EPS, XPS	Mineral Wool, EPS, PIR	Mineral Wool, EPS, PIR	Mineral Wool, EPS, PIR
Pack Sizes					
5lt					
20lt					
205lt				●	●
1000lt IBC	7.5kg kit	●	●	●	●



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INTERNATIONAL TRADE
2019



Leeson Polyurethanes Ltd.

Hermes Close, Warwick, CV34 6RP, UK.

Tel: +44 (0) 1926 833367 Fax: +44 (0) 1926 881469
sales@lpultd.com | www.lpultd.com



{ A bond for life }