WINDOWS & ROOF VENTS

Polyplastic caravan, camper and van window systems provide a clear view of the adventure, featuring quality construction and intuitive functionality coupled with seamless integrated designs. We offer standard window systems, and custom solutions to provide countless options in varying configurations and sizes.

POLYPLASTIC
BY **LiPPERT**

Polyplastic, a Lippert brand, offers a unique combination of state-of-the-art manufacturing and contactless thermoforming technology. We produce superb, transparent, lightweight cast acrylic-based solutions across a variety of industries. For more than 70 years, our customers have enjoyed the benefits of our passion for design, customized focus and rich industry experience, coupled with highly-engineered machinery, short lead times, and exceptional optical and thermal performance.

General Polyplastic by Lippert window system features

- In-house produced cast acrylic PMMA (Roxite® Premium)
- Stronger on impact compared to glass (approx. 11x)
- Made from shatterproof, high-transparent material
- Exceptional optical and thermal performance
- Higher light transmission versus other solutions
- 10-year UV protection against fade and discoloration
- Easy-to-clean and no maintenance required
- Specially designed accessories
- A required choice in window system options
- Decorative screen print options available
- Standard 2-year warranty
- Homologated according to
  UN/ECE R43 and FMVSS 205 approved

Purchasing a Polyplastic window system requires a sequence of steps. Please reach out to our sales department for assistance with determining the best systems, accessories, sizing and customization options for your unique setup. For questions or additional information, please visit lippertcomponents.eu. We are also available by phone or email at +31(0)104461100 / info@polyplastic.nl.

WINDOW SYSTEMS

Application and installation

See the options for vehicle application and installation of
our standard window systems in the overview below.

Polyvision Aero

Polyvision Slide

Polyvision Curved

Polylux

Piuma

Market	Category	Window Name	Pane	Vehicle Application			Vehicle Installation Location				
				Camper	Caravan	Van	Front	Side	Rear	Roof	Panorama
Semi-integrated	Aluminum frame window systems	Polyvision Aero	Double	✓	✓	--	--	✓	✓	--	--
		Polyvision Slide	Double	✓	✓	--	--	✓	✓	--	--
		Polyvision Curved	Double	--	--	✓	--	✓	✓	--	--
Fully-integrated	Aluminum frame window system	Polylux	Double	✓	✓	✓*	--	--	--	✓	--
	Polymer frame window system	Piuma	Double	✓	✓	--	--	✓	✓	--	--

* Only when using customer adapter

POLYVISION AERO

Semi-integrated **I** Aluminum frame

- Manually operated tilt window
- Aerodynamic, flush design
- Installation in straight walls
- Lightweight powder-coated aluminum frame
- Unique integrated thermal bridge inside window frame to reduce condensation
- Customize by making choices for standard parts and system options
- Pre-assembled for quick and easy installation

Accessory options

- Interior blind and flyscreen
- Cover profile

Flush design, suitable for straight walls

Strong and lightweight powder-coated aluminum frame

Includes integrated screwed catches

Tubular or automatic stays allow for opening in every position

Part #	Wall Aperture		Radius	⬓	Wall Thickness
	↕ H	↔ W			
2021104657	520 mm	700 mm			
2021104661	520 mm	900 mm			
2021104621	400 mm	700 mm	75 mm	7 mm to 17 mm	24 mm to 44 mm
2021104710	560 mm	600 mm			
2021104644	450 mm	600 mm			

Part #	Wall Aperture		Radius	⬓	Wall Thickness
	↕ H	↔ W			
2021104693	550 mm	600 mm			
2021104636	400 mm	500 mm			
2021104654	520 mm	500 mm	75 mm	23 mm to 33 mm	24 mm to 44 mm
2021104694	500 mm	900 mm			
2021104622	450 mm	800 mm			

↕ DIMS　　🔒 PRODUCT WT　　↔ RANGE　　⬓ BUILD-UP HEIGHT FROM WALL

⚠ All window systems should be installed by professionals.

POLYPLASTIC *by LIPPERT*

POLYVISION SLIDE

Semi-integrated I Aluminum frame

- Manually operated sliding window
- Unique sleek design
- Installation in straight walls
- Lightweight powder-coated aluminum frame
- Sliding rails for easy open / close operation
- Customize by making choices for standard parts and system options
- Pre-assembled for quick and easy installation
- Compatible with other Polyvision window systems
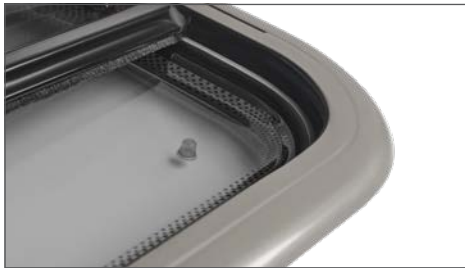
Accessory options

- Interior blind and flyscreen
- Cover profile

Specially designed, integrated catch for easy operation

Strong and lightweight powder-coated aluminum frame

Sleek design, suitable for straight walls

Window comes standard with decorative screen print

Part #	Wall Aperture		Radius		Wall Thickness
	H	W			
2022005612	550	500			
2022005613	400	500	75 mm	7 mm to 33 mm	24 mm to 38 mm
2022005614	400	700			

Part #	Wall Aperture		Radius		Wall Thickness
	H	W			
2022005615	450	900	75 mm	7 mm to 33 mm	24 mm to 38 mm
2022005616	450	960			

POLYVISION CURVED

Semi-integrated | Aluminum frame

- Manually operated tilt window
- Curved, aerodynamic, flush design
- Designed for curved walls with radius 4991 mm
- Lightweight powder-coated aluminum frame
- Unique integrated thermal bridge inside window frame to reduce condensation
- Customize by making choices for standard parts and system options
- Pre-assembled for quick and easy installation

Accessory options

- Interior blind and flyscreen
- Cover profile

Profile curve radius

Flush design, suitable for curved walls

Strong and lightweight
powder-coated aluminum frame

Includes integrated screwed catches

Tubular or automatic stays allow
for opening in every position

Part #	Wall Aperture		Radius	Profile Curve Radius		Wall Thickness
	H	W				
2021104697	550 mm	900 mm				
2021104641	520 mm	315 mm				
2021104660	750 mm	465 mm	75 mm	4.991 mm	7 mm to 17 mm	24 mm to 44 mm
2021104716	490 mm	500 mm				
2021104643	258 mm	396 mm				

Part #	Wall Aperture		Radius	Profile Curve Radius		Wall Thickness
	H	W				
2021104669	686 mm	298 mm				
2021104620	280 mm	380 mm	75 mm	4.991 mm	7 mm to 17 mm	24 mm to 44 mm
2021104692	220 mm	680 mm				
2021104635	818 mm	315 mm				

DIMS   PRODUCT WT   RANGE   BUILD-UP HEIGHT FROM WALL

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POLYPLASTIC by LIPPERT
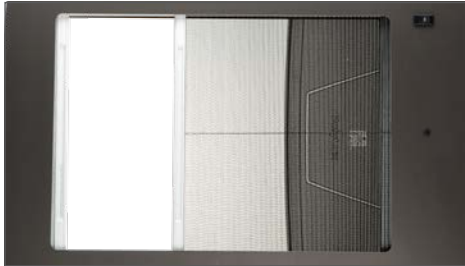
POLYLUX

Fully-integrated | Aluminum frame

- Electrically operated, sliding roof window (12V, 20A, 240W)
- Low, aerodynamic window system to build on to a flat surface
- Lightweight powder-coated aluminum frame
- Low noise level while driving
- Driving when open permitted
- Operation temperature from -20°C to +50°C
- Released for use up to 160 km/h
- Customize by making choices for system options

Low noise level while driving

Integrated blind and flyscreen

Electrically operated, sliding roof window

Easy operation with the touch of a button

Part #	↕ Wall Aperture Height	↔ Wall Aperture Width	Roof Aperture Radius		Roof Thickness	🛍
2021104662	655 mm	960 mm	65 mm	69 mm to 79 mm	24 mm to 45 mm	19,5 kg

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⚠ All window systems should be installed by professionals.

BUILD-UP HEIGHT FROM WALL ⊣ǁ   RANGE ↔   PRODUCT WT 🛍   DIMS ↕

PIUMA

NEW

Fully-integrated | Polymer frame

- Lightweight manually operated tilt window
- Extremely flush and minimalistic design
- Complete, super thin window system, including frame, integrated rollo blind system and click-on interior finish
- Installation in straight walls
- Injection molded polymer frame
- Two-part assembly with integrated mounting clamps allow for easy installation in minutes
- Custom screen print design possible

Integrated mounting clamps for easy installation

Flush, minimalistic interior finish

Easy assembly due to two-piece set-up

Unique catch design with integrated lock buttons

| Yellow Clamp # | Green Clamp # | Blue Clamp # | Wall Aperture | | | | Wall Thickness |
			H	W	Radius		
2023039863	2023039864	2023039865	400 mm	500 mm			Yellow Clamps for 24 mm - 30 mm
2023039866*	2023039867*	2023039868*	400 mm	500 mm			
2023039869	2023039870	2023039871	400 mm	700 mm			Green Clamps for 31 mm - 35 mm
2023039872	2023039873	2023039874*	580 mm	350 mm	12 mm	5 to 15 mm	
2023039860	2023039861	2023039862	580 mm	700 mm			
2023039854	2023039855	2023039856	580 mm	900 mm			Blue Clamps for 36 mm - 41 mm
2023039857	2023039858	2023039859	580 mm	1.300 mm			

* Opal white inner acrylic sheet provides privacy

DIMS   PRODUCT WT   RANGE   BUILD-UP HEIGHT FROM WALL

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REPLACEMENT PARTS & ACCESSORIES

Blocks, hooks and clamps

End caps

• Used as an endcap for the side of a cut hinge bar
• Multiple configurations available, see table below

2021104754   2021104764   2021104751   2021104741

Corner blocks

• Corner block to make a 75 mm radius curve when the wall aperture is straight

2021104726   2021104742

Polyfix adapter

• Fits onto a window system as a lock for Polyfix catches and stays
• Catches and stays can slide across the adapter into a locked position
• Easy to remove with the dismounting tool

2021104767

Mounting clamps

• Used to attach Polyvision frames to the wall
• Correct the frame and level it out with these clamps
• Screws required for installation

Part #	Description	Fits	Quantity
2021104754	Endcap hook in 1	Hinged window systems	1.000 pieces
2021104764	Endcap hook in 1 T maxirail	Hinged window systems	2.000 pieces
2021104751	Endcap hook in 2	Hinged window systems	1.200 pieces
2021104741	Endcap T	Hinged window systems	2.500 pieces
2021104767	Polyfix adapter	All window systems	6.000 pieces

Part #	Description	Fits	Quantity	Wall Thickness
2021104726	Corner block, 20 mm thick	All window systems	1.000 pieces	--
2021104742	Corner block, 25 mm thick	All window systems	1.000 pieces	--
2021104730	Mounting clamp S	Alum. framed window sys	1.000 pieces	24 - 33 mm
2021104772	Mounting clamp M	Alum. framed window sys	1.500 pieces	33 - 36 mm
2021104745	Mounting clamp XXL	Alum. framed window sys	1.000 pieces	38 - 45 mm

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⚠ All window systems should be installed by professionals.

BUILD-UP HEIGHT FROM WALL   RANGE   PRODUCT WT   DIMS   33

REPLACEMENT PARTS & ACCESSORIES

Bands and seals

Cover bands

- Used as interior finish to cover gaps and hide the misalignment of the window inside of the RV or caravan
- Available in black or white

2021104766

Insert bands

- Used as a complementary decorative cover in a rubber profile
- Gives a clean and tight finish
- Available in white or graphite

2021104763

2021104769

Part #	Description	Fits	Color	Length	Wall Thickness
2021104766	Cover band, sm	Alum. framed window systems	White	100 m	24 - 37 mm
2021104752	Cover band, lrg	Alum. framed window systems	Black	100 m	38 - 44 mm
2021104763	Insert band	Hinged window systems	White	500 m	--
2021104769	Insert band	Hinged window systems	Graphite	500 m	--

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Locking and fill plates

Locking plates

- Used as a lock for catches and stays
- With a special night position for extra ventilation
- Contact sales for application

2021104749   2021104757

Fill plate

- Used to add height to a locking plate
- Contact sales for application

2021104734

Fix plate

- Used to attach a window system to the wall
- Contact sales for application

2021104758

Tools

Scissor

- Special scissor used for cutting the wall aperture rubber into the right length

2021104724

Dismounting tool

- Used to dismount Polyfix catches and stays

2022110939

Insert band fitting tool

- Used to put the insert band into the rubber

2021104765

Rubber plast key fitting tool

- Used for fitting the rubber plast

2021104736

Part #	Description	Height	H-W-S (mm)	Fits	Quantity
2021104749	Locking plate	17,5 mm	17,5 - 50 - 37,5	Non-integrated window sys.	1.200 pcs
2021104757	Locking plate	13 mm	13 - 50 - 37,5	Non-integrated window sys.	1.500 pcs
2021104734	Fill plate	4,5 mm	4,5 - 50 - 37,5	Non-integrated window sys.	1.500 pcs
2021104758	Fixing plate	--	--	Non-integrated window sys.	1.000 pcs

Part #	Description	Fits	Quantity
2021104724	Scissor for wall aperture rubber	Non-integrated window systems	1
2022110939	Dismounting tool	Non-integrated window systems	1
2021104765	Insert band fitting tool	Non-integrated window systems	1
2021104736	Rubber plast key fitting tool	Fixed window systems	1

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REPLACEMENT PARTS & ACCESSORIES

Catches

Screwed

- Universal screwed catches are used to open, close and lock the windows
- Due to the locking plates, the catches have a special night position for extra ventilation; this cannot be seen standing at the outer side of the window
- Available with or without a lock button
- All catches come in black

2021104665   2021104737

Polyfix

- Polyfix is a patented, quick fit system which guarantees time savings when fitting accessories to the window
- The complete Polyfix system consists of catches, adapters, locking plates and fill plates
- Easily slides across a Polyfix adapter into a locking position
- Saves time compared to a screwed version
- Most of the Polyfix adapters are already placed on the window in the factory

2022110940   2021104760

Part #	Description	Fits	Quantity
2022110940	(A) Catch Polyfix without lock button, right	Polyfix windows	700 pieces
2021104760	(B) Catch Polyfix with lock button, right	Polyfix windows	600 pieces
2021104665	(C) Catch screwed without lock button, right	Polyfix windows	700 pieces
2021104737	(D) Catch screwed with lock button, right	Polyfix windows	600 pieces
2022110941	Catch pads	All catches	75.000 pieces

Market	Non-Integrated				Semi-Integrated	Fully Integrated		Special
Window Category	Fixed window systems		Hinged window systems		Aluminum framed window systems	Aluminum framed window systems	Polymer framed window systems	Special window systems or exclusive customer series
Window Type	Single	Double	Single	Double	Double	Double	Double	Single or Double
Catch	--	--	--	A,B	A,B (Eco) C,D (Aero, Curved)	--	D (Vista)	A,B or none (if fixed)

DIMS   PRODUCT WT   RANGE   BUILD-UP HEIGHT FROM WALL   All window systems should be installed by professionals.   POLYPLASTIC by LIPPERT

REPLACEMENT PARTS & ACCESSORIES

Stays

Automatic

- Easy-to-use aluminum automatic stays to open / close the window in steps
- Aluminum sliding movement inside with built-in locking positions
- Can be fixed in multiple positions due to the steps
- Available in screwed or Polyfix configurations
- Available with or without catch and in left- or right-hand configurations

Tubular

- Easy-to-use aluminum tubular stays to open / close the window
- Aluminum sliding movement inside
- Can be fixed in any position by rotating the thumb clamp
- Available in screwed or Polyfix configurations
- Available with or without catch and in left- or right-hand configurations

Part #	Description	Configuration	With Catch	Length	Quantity
2022110955	Automatic screwed	Left-hand	Yes	230 mm	15 boxes / 100 pcs
2022110956	Automatic screwed	Right-hand	Yes	230 mm	15 boxes / 100 pcs
2022110957	Automatic screwed	Left-hand	Yes	277 mm	15 boxes / 100 pcs
2022110958	Automatic screwed	Right-hand	Yes	277 mm	15 boxes / 100 pcs
2022110959	Automatic Polyfix	Left-hand	Yes	209 mm	1 box / 100 pieces
2022110960	Automatic Polyfix	Right-hand	Yes	209 mm	1 box / 100 pieces
2022110961	Automatic Polyfix	Left-hand	Yes	230 mm	30 boxes / 100 pcs
2022110962	Automatic Polyfix	Right-hand	Yes	230 mm	45 boxes / 100 pcs
2022110963	Automatic Polyfix	Left-hand	Yes	277 mm	1 box / 100 pieces
2022110964	Automatic Polyfix	Right-hand	Yes	277 mm	1 box / 100 pieces
2022110965	Automatic Polyfix	Left-hand (front 70)	Yes	265 mm	1 box / 100 pieces
2022110966	Automatic Polyfix	Right-hand (front 70)	Yes	265 mm	1 box / 100 pieces
2022110967	Automatic Polyfix	Left-hand	No	209 mm	1 box / 100 pieces
2022110968	Automatic Polyfix	Right-hand	No	209 mm	1 box / 100 pieces
2022110969	Automatic Polyfix	Right-hand	No	230 mm	1 box / 100 pieces

Part #	Description	Configuration	With Catch	Length	Quantity
2022110942	Tubular screwed	Left-hand	Yes	295 - 466 mm	1 box / 100 pieces
2022110943	Tubular screwed	Right-hand	Yes	295 - 466 mm	1 box / 100 pieces
2022110944	Tubular Polyfix	With child protection	--	--	1 box / 100 pieces
2022110945	Tubular Polyfix	Left-hand	Yes	136 - 206 mm	1 box / 100 pieces
2022110946	Tubular Polyfix	Right-hand	Yes	136 - 206 mm	1 box / 100 pieces
2022110947	Tubular Polyfix	Left-hand	Yes	295 - 466 mm	1 box / 100 pieces
2022110948	Tubular Polyfix	Right-hand	Yes	295 - 466 mm	1 box / 100 pieces
2022110949	Tubular Polyfix	Left-hand	Yes	277 - 466 mm	1 box / 100 pieces
2022110950	Tubular Polyfix	Right-hand	Yes	277 - 466 mm	1 box / 100 pieces
2022110951	Tubular Polyfix	Left-hand	Yes	230 - 393 mm	1 box / 100 pieces
2022110952	Tubular Polyfix	Right-hand	Yes	230 - 393 mm	1 box / 100 pieces
2022110953	Tubular Polyfix	Left-hand	No	230 - 370 mm	1 box / 100 pieces
2022110954	Tubular Polyfix	Right-hand	No	230 - 370 mm	1 box / 100 pieces

REPLACEMENT PARTS & ACCESSORIES

Rubber profiles

Standard

- Standard rubber profile to provide an optimum, watertight seal between the wall and window system
- The rubber profile is mounted on the inside of the wall aperture
- The rubber profile has a special designed soft bulb made of sponge rubber
- Special butyl adhesive layer inside the rubber profile ensures a perfect seal
- A decorative insert band complements the rubber profile
- Available in black

Fixed system

- Rubber profile for fixed window systems, to provide an optimum, watertight seal between the wall and window system
- The rubber profile is mounted on the inside of the wall aperture
- Rubber profile must be combined with key profile to lock the window in place
- Special butyl adhesive layer inside the rubber profile ensures a perfect seal
- Available in black

Key profile

- Used to lock the window in place

Part #	Description	Fits	Color	Length	Wall Thickness
2021104637	Standard profile	Non-integrated window systems	Black	480 m	20 - 24 mm
2021104617	Standard profile	Non-integrated window systems	Black	480 m	22 - 26 mm
2021104659	Standard profile	Non-integrated window systems	Black	480 m	24 - 28 mm
2021104663	Standard profile	Non-integrated window systems	Black	480 m	26 - 30 mm
2021104655	Standard profile	Non-integrated window systems	Black	480 m	28 - 32 mm
2021104712	Standard profile	Non-integrated window systems	Black	480 m	30 - 34 mm
2021104666	Standard profile	Non-integrated window systems	Black	480 m	32 - 36 mm
2021104656	Standard profile	Non-integrated window systems	Black	480 m	36 - 40 mm
2021104762	Standard profile, separate bead	Non-integrated window systems	Black	480 m	28 - 32 mm

Part #	Description	Fits	Color	Length	Wall Thickness
2021104618	Fixed profile	Non-integrated window systems	Black	480 m	22.5 - 25 mm
2021104664	Fixed profile	Non-integrated window systems	Black	100 m	23.5 - 26 mm
2021104755	Key profile	Non-integrated window systems	Black	--	--

◹ DIMS   🔒 PRODUCT WT   ↔ RANGE   BUILD-UP HEIGHT FROM WALL   ⚠ All window systems should be installed by professionals.

POLYPLASTIC by LIPPERT

HOSEW & HOSEW-BAR

Roof vents

- Multi-position opening allows custom control of airflow
- Integrated, easy-to-use handles
- White Ral 9010 structure with smoked methacrylate cover
- Available with or without aluminum bars
- Manufactured by Lippert

2021104668 - inside

2021104668 - outside

Easy-to-use handle

For venting enclosed areas

Parallel opening

Side opening

Part #	Style	Color / Description	⤢ Wall Aperture Width	⤢ Wall Aperture Height
2022074985	HOSEW-BAR	Smoked methacrylate with white aluminum bars	550 mm	350 mm
2021104628	HOSEW	Smoked methacrylate without bars	550 mm	350 mm

⚠ All window systems should be installed by professionals.

DIMS ⤢