

the heart of innovation.



Innovation and the need for safety standards have led to numerous industries considering adhesive technology as a determining element in design. To this end, for 50 years, Le Joint Français has confirmed its position as the world leader in adhesives for glass. Whether it is the windows on an Airbus, insulating glass, automotive or railway direct glazing, our company has gained knowledge and expertise recognised on an international level. Approved by the largest manufacturers, we have developed an extensive range of high quality adhesives and sealants which have been tried and tested, even under extreme conditions. Single component and two component systems for direct glazing, bonding and sealing car bodies or anti-chip coating: we can design the product according to your needs. You have specific requirements: we know how to meet them.



Quality assurance system certified to
ISO 9001/2000 and ISO/TS 16949/2002
Environmental system
certified to ISO 14001

Packaging Adapted to Your Needs



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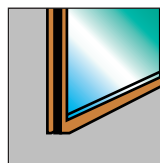
High technology sealants and adhesives



Automotive



Aerospace



Insulating glass



Sealants, adhesives and coatings Division

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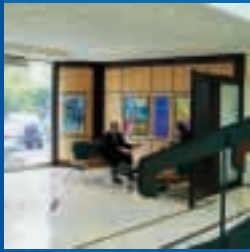
TOTALSEAL *Auto*



A range of performance adhesives and sealants

LJE
LE JOINT FRANCAIS





A world leader at

Direct Glazing Adhesives

Application Properties

Name	Type	Extrusion g/min Diam. 5mm 4 bars-23°C	Tack free time (minutes)	Cure rate in mm / 24 h	Safe drive-away time at 23° C / 50 % Rel. H.	
			min 23°C 50 % RH.	23°C 50 % RH.	With 2 airbags at 23° C / 50 % RH.	Without or with 1 airbag
1K PU						
Totalseal 100	Fast	80	50	4,2	3 hours*	1h30 min
Totalseal 110	Fast	70	50	4	3 hours*	1h30 min
Totalseal 150 (Preheating 60°C)	Immediate Grab High Modulus	100 à 60°C	10	4,2	15 min*	15 min
Totalseal 180 HV	Very Fast	40	10	4,2	1 hour*	30 min
Totalseal 180	Very Fast	80	15	4,2	1 hour	30 min
Totalseal 184	High Modulus	50	15	4	1 hour	1 hour
Totalseal 185 HV	High Modulus Low Conductivity	25	20	4	1 hour*	1 hour
1K MS						
Totalseal 155 HM	High Modulus	60	10	4	1 hour*	1 hour
2K PU		Outside Temperature	Gel Time			
Totalseal 200/210	-17°C / 0°F				1 hour*	40 min
	23°		15 min		30 min	20 min

*Crash Test conducted in accordance with FMVSS 212 and 208
Flow for all the products : 0 mm



Available in 400 / 600 ml sausage packaging.



Safe drive-away time with twin airbags at 23°C / 50 % RH.

TOTALSEAL 200
Very fast curing two component polyurethane adhesive.

OEM approved.

Cold application with our light and easy to handle **Fast Gun** pneumatic gun 2 x 300 ml cartridges. With manifold and static mixer.

TOTALSEAL 210
High modulus, low conductivity version. 2 x 300 ml cartridges.



Body assembly and sealing



TOTALSEAL 33 UV
SHORE A 45

One component polyurethane sealant.

Rapid skin formation.
UV resistant.
Grindable.



TOTALSEAL 34
SHORE A 45

One component polyurethane sealant.

TÜV approved.
Rapid skin formation.
Grindable.



TOTALSEAL 35
SHORE A 45

One component polyurethane sealant.

Very fast.
Skin formation 30'.
Grindable.



TOTALSEAL 39
SHORE A 35

One component polyurethane sealant.

Exceptional adhesion to numerous materials, particularly pre-treated panels.
Rapid skin formation.



TOTALSEAL 42
SHORE A 50

One component polyurethane sealant.

TÜV approved.
High mechanical strength.



310 ml cartridges with nozzles (white, grey, black, other colours on request), the sealants can be overpainted.



TOTALSEAL 100

One component fast curing polyurethane adhesive.

Available in:
 • low viscosity (LV)
 • medium viscosity



TOTALSEAL 110

One component fast curing polyurethane adhesive.

Available in:
 • low viscosity (LV)
 • medium viscosity
 Enhanced mechanical properties.



TOTALSEAL 150

One component very fast polyurethane adhesive.

Warm applied .
 "immediate grab"
 High modulus.
 Use with a pneumatic or electric gun.



TOTALSEAL 180

One component fast curing polyurethane adhesive.

Available in:
 • low viscosity (LV)
 • medium viscosity
 • high viscosity (HV)



TOTALSEAL 184

One component fast curing polyurethane adhesive.

High modulus.

310 ml cartridge with nozzle; Use with a pneumatic or manual gun. OEM approved and passes FMVSS 212 and 208 crash tests.



TOTALSEAL 7016

Cleaner and activator for glass.

Colourless.
 Apply with a cloth.
 Wipe-on, wipe-off.



TOTALSEAL 5028

Glass and paint primer. To be used with TS 7016.

Black.
 Apply with a cloth or dauber.
 Drying time : 5 min.



TOTALSEAL 5025

Primer for painted and base metal.

Grey.
 Apply with a cloth or dauber.
 Drying time : 5 min.



TOTALSEAL 7023

Glass primer for Totalseal MS155.

Translucent.
 Apply with a cloth or dauber.
 Drying time : 5 min.

30 ml containers, 15 ml, 100 ml, 250 ml and 1 litre cans on request.



TOTALSEAL 55

One component MS polymer sealant.

Excellent adhesion without primers on various substrates.

Isocyanate free.

Can be used in visible joints.
 For body sealing.



TOTALSEAL MS 355

One component MS polymer sealant.

Sprayable.
Isocyanate free.



TOTALSEAL B 11

Butyl sealant for profiles.

For sealing glass and body panels.
 Apply with a manual gun.
 310 ml cartridge, 400 ml and 600 ml sausages.



TOTALSEAL 300

Sprayable anti-chip.

Black, white, grey.

Does not need stoving.
 Can be overpainted.
 1 kg can.
 Gun not supplied.



TOTALSEAL 185 HV

One component fast curing polyurethane adhesive.

High modulus, low conductivity.

Available in:

- medium viscosity
- high viscosity (HV)

To be used with pneumatic or electric gun.



TOTALSEAL MS 155 HM

One component fast curing MS polymer adhesive.

High modulus.
Low conductivity.

Isocyanate free.



TOTALSEAL B 130

Self-adhesive preformed sealant.

4,5 m roll.
ø 8 mm
ø 10 mm
Box of 18 rolls.

TOTALSEAL B 127, TOTALSEAL 5014

Self-adhesive preformed sealant OEM approved.

Kits with 4,50 m strip.
ø 8 mm or ø 10 mm,
TOTALSEAL 5014 primer,
wire and spacers.



TOTALSEAL 5022

Primer for RIM and rubber.

Colourless.
Apply with a cloth or dauber.
Drying time : 5 min.



TOTALSEAL 5026

Primer for RIM and PVC.

Black.
Apply with a cloth or dauber.
Drying time : 5 min



TOTALFIX

Single component adhesive and pad impregnated with a catalyst.

Allows the rear-view mirror and exterior aerial to be bonded to glass.
Formula developed for the automotive industry.
2 ml approx. syringe.



TOTALSEAL 310

Sprayable underbody coating.

Anti-rust protection for underbody and wings of cars, bituminous base. Black.

1 kg tin.



TOTALSEAL 45

Brushable sealant.

Intended particularly for floor and boot joints. Bonds to clean metallic surfaces. Can be painted. Grey aluminium.

1 kg can.



TOTALSEAL A 90

Acrylic structural adhesive. 2 components (1 for each surface).

Recommended for the assembly of many different substrates : metals, most plastics, etc...

5 litre container.

In a 1 litre container or 125 ml tube, or 10 ml bottle on request.



TOTALSEAL NS 20

Non-staining universal nitrile adhesive.

Recommended for bonding plastic materials to metal, glass, etc...

125 ml tube.



TOTALSEAL PG 40

Universal polychloroprene contact adhesive.

Colourless gel. Recommended for rubber/metal and rigid material assemblies.

125 ml tube.

In a 1 or 5 litre container on request.

First-hand experience in automotive repairs.



Crash Tests

All our products are subjected to a crash test (50 kph / 30 mph frontal impact), in accordance with FMVSS 208 and 212, which allows the strength of the adhesion to be quickly checked after the glass has been fitted using our adhesives; in spite of the force of the impact, the adhesive strength is confirmed at 100 %.



It proves the quality of our range, in the face of violent collisions, a range which meets the strict safety standards required by the manufacturers.

TOTALSEAL *Auto*

Easy application with our Fast Gun pneumatic gun for the TOTALSEAL 200 two component. Manual Gun and pneumatic R-Gun for our single component body sealants.



Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The Company cannot accept any responsibility for loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of this product by their own tests. The word TOTALSEAL is a trade mark registered in the United Kingdom and many other countries.

LE JOINT FRANCAIS



TOTAL