GELSON
la qualità è passione

TECHNICAL DATA SHEET

REV.6 03/09/2026

GELFLEX 345 EXPRESS

DEFINITION

One-component, polyurethane-based, fast-hardening adhesive/sealant that cures when exposed to atmospheric moisture.

Primer-less adhesion to glass.

Ideal for replacing windscreens and windows on vehicles with or without airbags and in general for gluing and sealing glass in the automotive, industrial, railway and nautical fields.

DRIVE AWAY TIME: 2 h

(23°C, 50% u.r., vehicles with double airbag)
Compliant with FMVSS 212.

PRODUCT BENEFITS

- Fast curing and excellent green strength.
- Solvent-free.
- Neutral polymerization: non-corrosive on surfaces
- Absorbs stress and tensions from thermal expansion and joining of different materials.
- Does not swell, does not shrink, does not sag.
- Good resistance to chemical and atmospheric agents
- Excellent resistance to water and salt spray

CHARACTERISTICS

- Appearance: Thixotropic paste
- Chemical nature: Polyurethane
- Colour: black
- Specific gravity: 1,23 ± 0,05 g/cm^3
- Operating temperature: -40°C up to +90°C, with short peaks at 120°C
- Hardness Shore A: 50
- Elongation at break: ~700 %

SUBSTRATE PREPARATION

The surfaces to be treated must be perfectly clean, dry and degreased.
Apply a suitable cleaner, for example Cleaner Activator, to both surfaces to be joined with lint-free cloth. Let it dry for minimum 10 minutes before proceeding.
You can apply the sealant without additional steps on:

The effectiveness of our products is based on practical experiences and research work carried out in our laboratories; nevertheless we accept no liability for work carried out following our instructions being clear that the final result depends in all cases on a series of unforeseeable factors.

* For any information about product codes or packs, please see our catalogue, our price list or contact us.

GELSON S.r.l.

Lainate (Milan) 20045 Italy - Via Varese 11/13
TEL +39 029370640
FAX +39 0293570880
MAIL info@gelson.it

QUALITY SYSTEM CERTIFICATION DNV ISO 9001

GELSON
la qualità è passione

TECHNICAL DATA SHEET

- black ceramic edge of the windshield, only if intact and perfectly opaque
- coated metal or e-coat, or old polyurethane sealant freshly cut (less than an hour)

In all other cases, it is mandatory to apply Black Glass Primer.
Refer to the relevant documentation for the drying times of the products used and respect them.

APPLICATION

Application temperature: from +5°C to +40°C.
Apply Gelflex 345 Express NEW to the black ceramic edge of the windshield. Using the appropriate nozzle, extrude a triangular bead of sealant.
Wait at least 2 hours before using the vehicle.

DRYING TIME

- Skin forming time (23°C, 50% r.h.): 20-35 minutes
- Curing rate (23°C, 50% r.h.):3,0 mm/24h
- Drive-away time (23°C, 50% u.r.): 2 h

STORAGE

Store the product in a dry place, protected from direct sunlight, at temperatures in between 5°C and 35°C.

The effectiveness of our products is based on practical experiences and research work carried out in our laboratories; nevertheless we accept no liability for work carried out following our instructions being clear that the final result depends in all cases on a series of unforeseeable factors.

* For any information about product codes or packs, please see our catalogue, our price list or contact us.

GELSON S.r.l.

Lainate (Milan) 20045 Italy - Via Varese 11/13
TEL +39 029370640
FAX +39 0293570880
MAIL info@gelson.it

QUALITY SYSTEM CERTIFICATION
DNV
ISO 9001