

TECHNICAL BULLETIN

Avery Dennison® Architectural Window Films Edge Sealing

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Introduction

All Avery Dennison® Exterior Architectural Window Films and Avery Dennison® Interior Spectrally Selective films which are installed within 16 km of the sea need to be edge sealed to receive the full product warranty.

There are two different types of sealing which are approved by Avery Dennison®.

1. Edge sealing with Avery Dennison® Edge Sealing Tape or
2. Edge sealing with neutral silicone sealing agent

1. Edge sealing with Avery Dennison® Edge Sealing Tape

Avery Dennison® Edge Sealing Tape is designed for sealing the Avery Dennison® Architectural Window Films after application on to the window panes. It is an approved solution to receive the full warranty when edge sealing of the Architectural Window Films is required.

The following Avery Dennison® product series are compatible:

- Avery Dennison® Exterior Solar Reflective Films
- Avery Dennison® Exterior Dual Reflective Films
- Avery Dennison® Interior and Exterior Spectrally Selective Films
- Avery Dennison® XTRM series (Edge sealing durability up to 10 years)

Avery Dennison® Edge Sealing Tape must cover the edge of the architectural window film and the glass pane. The conformability of the Avery Dennison® Edge Sealing Tape supports an easy application. Before sealing the edges of Architectural Window Films allow film to dry for 24 hours, then within 72 hours, complete by edge sealing all four edges.

Tools needed:

- Isopropyl Alcohol
- Lintfree paper
- Cutter knife
- Avery Dennison® Edge Sealing Tape
- Measuring Tape



Measure the window sides which need to be sealed



Cut the needed sealing tape (add 2-3 cm to the length)

Clean the edges of the glass pane and window film with Isopropyl Alcohol to make sure no residues are left on the surfaces. Profiles must be clean of paint, emulsions, etc.

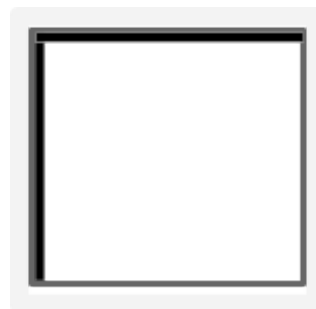
Attention: The edge sealing tape doesn't adhere to silicone. If there are residues of silicone at the rubber please use standard silicone sealant.



Start at the edge of the window. Remove the liner with one hand and attach the edge sealing tape with the other hand partly onto the window film and partly onto the glass pane for a good sealing result.



If you need to adjust the edge sealing you can lift the tape up and readjust it.



Apply the Avery Dennison® Edge Sealing Tape overlapped in the corners.

Continue with the application at all sides and all needed windows.

2. Edge sealing with silicone sealing agent

External application of Exterior films requires a neutral silicone edge sealant for external use. For warranty activation a neutral silicon sealant, approved by Avery Dennison® needs to be used (such as Dow Corning 995 or 885, GE Max 5000, OTTO Seal – S54). For very long term applications (12-15 years) a silicone sealant needs to be selected.

All four sides of the film need to get sealed. Profiles must be clean of paint, emulsions, etc prior installation and edge sealing process

Tools needed:

- Low tack painters masking tape
- caulking gun
- Neutral silicone sealant
- Plastic putty knife

1. Allow film to dry for 24 hours, then within 72 hours, complete by edge sealing on all four edges.
2. Adhere a strip of low-tack painters' masking tape to both filmed glass and edge of the rubber.
3. Continue on all four sides of the window to form a sealant channel.
4. Using a standard caulking gun and neutral silicone sealant and apply the sealant into the sealant channel
5. Smooth sealant band with plastic putty knife.
6. Carefully remove masking tape.

Joint seaming

If two window films need to be applied onto one glass pane next to each other a gap of 2 mm is needed (called joint). If joint seaming is required, please use clear neutral edge sealant like Dow Corning 791.

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