

## Case Study EU Parliament, Brussels

### The project

In addition to the standard weather sealing requirements of the Léopold, as detailed earlier, there were some areas of the structure which required a weather sealant with fire protection properties too. It was for this reason that Dow Corning® Firestop 700 Silicone Sealant and Dow Corning Firestop 800 Self Levelling Silicone Sealant were specified during the design of the building.

### The products

Dow Corning® Firestop 700 is a low modulus, one part, neutral curing, fire rated silicone sealant. It has excellent un-primed adhesion to a range of common construction substrates including stone, steel, masonry, brick and wood. It is ideal for weather sealing curtainwalls, building facades and expansion joints where a fire rating is required. It is also suitable for use in penetration sealing systems where pipes and cable pass through fire rated structures.

Dow Corning Firestop 800 is also a one part, flowable, neutral curing, fire rated silicone sealant. It is designed to seal horizontal and vertical construction joints where a fire rating is required. It differs from Dow Corning Firestop 700, however, since it exhibits self-levelling properties. This specific feature therefore means that Dow Corning Firestop 800 is ideally suited for large sealant joints between curtainwall facades and floor slabs in conjunction with fire resistant backing material.

A series of complementary tests were conducted on both of these products, leading to official approval for use by the Fire Authority managing the district in which the European Parliament is located.



<b>Building:</b>	<b>European Parliament, Quartier Léopold</b>
<b>City:</b>	<b>Brussels</b>
<b>Country:</b>	<b>Belgium</b>
<b>Product:</b>	<b>Dow Corning® 993 Dow Corning® Firestop 700 Dow Corning® Firestop 800</b>
<b>Architect:</b>	<b>Atelier 'Espace Léopold'</b>
<b>Curtainwall:</b>	<b>Permasteelisa</b>

### The project:

- The 'Quartier Léopold' is one of the largest and most significant structural projects completed in Brussels in the past twenty years. The building became the focus of worldwide attention in 1993 when the European Commission, Parliament and Council took up residence.
- The architectural consortium opted to develop a reflective blue glazed facade, embellished with marble and stone at its base with the use of natural light.
- There were some areas of the structure which required a weather sealant with fire protection properties too. It was for this reason that Dow Corning Firestop 700 Silicone Sealant and Dow Corning Firestop 800 Self Levelling Silicone Sealant were specified during the design of the building.

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