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CEFEP TS 002

UV Resistance of FEF

When exposed to external weathering and/or UV radiation, an unprotected surface of FEF can become brittle. Elastomeric foams shall therefore be protected by coating or cladding in accordance with the manufacturer's recommendations, if so specified, and within the timescale advised after installation. Some formulations such as many but not all EPDM based foams have a high resistance to UV radiation which can allow them to be used outdoors without protection from weathering; however, protection from mechanical damage may still be needed.

Brittleness can also occur indoors when exposed to artificial light with UV components. The decision about whether UV protection is required or not shall be agreed upon with the designated System Specifier. UV and weathering performance of FEF products should be assessed in accordance with EN ISO 4892-2.

Testing according to this standard involves establishing test conditions in terms of:

- Irradiance in W/m²
- Temperature
- Spray cycle (percentage of dry and wet)
- Radiation dose
- Relative humidity
- Exposure time

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