

WEATHER SEALANT W-FR



UAE Civil Defence
approval by
iBMB MPA

Applications:

WEATHER SEALANT FR exhibits excellent primer less adhesion to many non-porous siliceous materials, e.g. glass, tiles, ceramics, enamel, glazed tiles and clinker; metals, e.g. aluminum, steel, zinc or copper; impregnated, varnished or painted wood; and many plastics.

Users must carry out their own tests due to the great variety of substrates.

The adhesion can be improved in many cases by pretreatment of the substrates with a primer. If adhesion difficulties arise please contact our technical service.

Processing

The substrate areas that will be in contact with the sealant must be clean, dry and free of all loose material such as dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and a clean, lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth.

Safety notes

During vulcanization methanol is released. These vapors should not be inhaled for long periods or in high concentration. Hence, good ventilation of the work place is necessary. Should unvulcanized silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused. Avoid prolonged contact of uncured sealant with the skin - use a dry cloth or paper to remove it. Keep out of reach of children.

Technical Data		
Typical general characteristics	Inspection Method	Value
Product data (uncured)		
Density at 20 °C	ISO 1183-1 A	1,5 g/cm ³
Consistency	ISO 7390, profile U 20	non-sag
Extrusion rate - volume flow at 23 °C	150 ml/min	
Skin forming time at 23 °C / 50 % r.h.	25 min	
Product data (cured) After 4 weeks 'storage at 23 °C / 50 % rh		
Tensile strength	ISO 8339	0,60 N/mm ²
Elongation at break	ISO 8339	300 %
Modulus at 100 % elongation	ISO 8339	0,40 N/mm ²
Hardness Shore A	ISO 868	25
Movement capability	ISO 11600	25 %
Tear strength	ISO 34, method C	4,0 N/mm

Art.No. 0893 301016

Contents: 600ml, Color Black

Product description

Weather Sealant FR is a one-part, neutral-curing silicone sealant for construction and glazing.

WEATHER SEALANT FR cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

Special features

- Fire Resistance Classification to BS EN 1366-4/1363-1 up to 240 minutes
- Fire resistance tests for linear joint seals
- Can be used for both Construction and Glazing Applications.
- Solvent-free
- Non-sag
- Ready gunnability at low (+ 5 °C) and high (+ 40°C) temperatures
- Flexible at low (-40 °C) and high temperatures (+150°C)
- Non-corrosive to metals
- Suitable for alkaline substrates such as concrete, mortar, fibrous cement

Application

Joint sealant for applications in the construction industry and in industrial areas where high standards are set in respect to systems fire resistance. Refer to Fire Resistance Certificate for more details.

Restrictions on use

It is the responsibility of the user to test the compatibility of the sealant with the adjoining materials. Incompatible substances like coating materials (paints, varnishes and glazes) or organic plasticizer containing rubbers (EPDM, butyl and neoprene) can lead to discoloration or other impairments like loss of adhesion of the sealant. Materials in direct contact with the applied sealant like cleaning agents and materials in indirect contact like gaseous emissions can damage the sealant in its function or change its appearance. Because of the multitude of these materials, Würth cannot make a general statement to the compatibility of materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests. WEATHER SEALANT FR is not suitable for applications involving contact with natural stone, such as marble, granite, quartzite, as it can cause staining. WEATHER SEALANT FR is not recommended for sealing of aquaria.

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.