

COSMOFEN AluProtector

Anticorrosive Sealing Compound

APPLICATION FIELD

COSMOFEN AluProtector is a new anticorrosive sealing compound with product properties to be particularly stressed and a new application technique.

COSMOFEN AluProtector is only suitable for professional use by instructed personnel and used for different sealings, such as miter cuts, collision bondings of middle- and frame support connections in the aluminium-windows, -door- and -façade construction as well as in the rolling gate production.

COSMOFEN AluProtector is used in the label industry and production of vehicle superstructures for the sealing of collision gaps.

COSMOFEN AluProtector is thixotrope, hardens unfaded and does not influence the hardening properties of adhesives used parallel, e.g. at bonding corner angles.

COSMOFEN AluProtector possesses, when hardened, an elastic, UV colour resistant and weather-proof sealing joint. (The tightness (water column of 140mm) has been confirmed after dynamic load (SS 818141) and after load under changing climate.

COSMOFEN AluProtector can be overpainted with wet lacquers or powder-coated with powder lacquers (up to a burn-in temperature of $\leq +180^{\circ}\text{C}$).

COSMOFEN AluProtector works as a corrosion prevention on bright aluminium, and therefore, prevents corrosion from penetrating behind the profile coatings/powder-coatings (test report of university Kaiserslautern (AWOK) is existent).

COSMOFEN AluProtector is not subject to classification.

TECHNICAL DATA

BASIS	1-component moisture-crossed-linked silane-prepolymere		
COLOUR	of hardened up film	grey	~RAL 7047 telegrey
FILM PROPERTY	of hardened up film		elastic
SHORE - HARDNESS	of hardened up film according to DIN 5305 Shore-A	approx.	20-25 Shore-A
VISCOSITY	at +20°C		low viscosity/paste-like
DENSITY	according to EN 542 at +20°C	approx.	1,48 g/cm ³
FILM FORMATION TIME - dry	at +20°C, 50%rel. air humidity, application quantity 500µm-PE/PVC	approx.	30 min
FINAL SETTING TIME	at +20°C, 50%rel. air humidity 1,5mm adhesive in caterpillar-shape	approx.	24 h
MINIMUM TEMPERATURE FOR APPLICATION		from	+10 °C

WORKING INSTRUCTIONS

Application I

COSMOFEN AluProtector is applied directly from the tubular bag onto the dry profile cuts by means of the unscrewed dosing tip.

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Anticorrosive Sealing CompoundWORKING INSTRUCTIONS**Application II**

COSMOFEN AluProtector is dosed on a clean support by means of the unscrewed dosing tip, and then, applied onto the dry profile cuts (onto both sides of the miter cut) by means of the **COSMOFEN miter roll** or a spatula. After this, the miter roll is rolled clean on a clean underground and the film of **COSMOFEN AluProtector** remaining does not, after the hardening, disturb the next application.

Colours

COSMOFEN AluProtector is available in standard in the colour grey; further colour adjustments can be obtained by adding and mixing **COSMOFEN colour pastes**. In this case, please process/apply as described under "application II".

Joining

The cut surfaces and collision edges moistened with **COSMOFEN AluProtector** and joined within the film formation time. **COSMOFEN AluProtector** is thixotrope, does not drop, even on vertical surfaces, hardens unfaded, so that joints of up to 5mm have a permanent seal.

Smoothing/Cleaning

COSMOFEN AluProtector is smoothed within the film formation time with a "smoothing agent" or by means of a cloth, which is wetted with **COSMOFEN 60** with a non-dyeing strong paper tissue.

FILM FORMATION TIME, as well as the resulting JOINING TIMES, can only be exactly found out through own tests, as they are strongly affected by material, temperature, application quantity, air humidity, material humidity, and other criteria. The user should provide adequate security additions to the given approximate values.

CLEANING

The cleaning of not hardened up **COSMOFEN AluProtector** is effected with **COSMOFEN 60**. Hardened up **COSMOFEN AluProtector** can usually be removed only mechanically.

STORAGE

Store original cask tightly closed, dry, at a temperature between +15°C and +25°C, without direct solar radiation. Can be stored in unopened original casks for approx. 12months.

CASK SIZE

150g alu/PE- foil tubular bag with re-closable tip, 16pcs /box.

Accessories:

COSMOFEN miter roll set consisting of:

1 pc **COSMOFEN miter roll** with handle and holder,
5 pcs replacement rolls.

CLASSIFICATION

COSMOFEN AluProtector is **not subject to classification**, according to the Ordinance on Hazardous Materials (GefStoffV).

Further information for the process can be taken from the safety data sheet according to 91/155/EEC.

Our instructions for use, processing directives, product- or performance indications, as well as other technical statements are only general guidelines; they only describe the nature of our products (determined value at the production time) and their performance, but they give no guarantee in accordance with paragraph 443 of the BGB (Civil Code). Due to the variety of application purposes for each product, and due to a lot of different particular conditions (e. g. processing parameters, material properties, etc.), the user has to carry out his own individual qualifying tests. Our consultation in application technique, verbal and in writing, as well as with tests, is offered free of charge and is not legally binding.

These documents replace former issues