Data Sheet

Qjusion Organic SK 3726

ready-to-use, fiber-reinforced reinforcement plaster with lightweight aggregates and supporting grain

Color System

Field of application

Ready-to-use, organically bound reinforcement plaster for reinforcement in the Brillux ETIC system and for crack repair on render facade areas.

Properties

- organically bound reinforcement plaster
- very economical and particularly high yield thanks to lightweight aggregates
- with supporting grain to promote film thickness
- with good filling power for secure integration of the reinforcement fiber mesh
- optimal diffusion properties
- reinforced with aramid fibers
- maximum crack and impact resistance
- water-repellent
- very easy to apply manually or mechanically
- optionally available in Protect quality (film protection against an algal and fungal infestation of the coating)

Material description

Standard color shades	Light beige Additional color shades can be mixed with the Brillux Color System.
Base material	Styrene acrylic copolymer dispersion
Density	Approx. 1.50 g/cm³
Water vapor diffusion resistance	Sd (H2O) ≤ 0.14 m

Material description

Impact resistance

In a system build-up with Qjusion Organic SK 3726 and render protection and/or flat facing bricks
- up to 20 joules for single reinforcement with ETICS Reinforcement Fiber Mesh 3797
- up to 50 joules for double reinforcement with ETICS Reinforcement Fiber Mesh 3797
- ≥ 70 joules when using ETICS Armored Reinforcement Fiber Mesh 3773 and reinforcement with ETICS Reinforcement Fiber Mesh 3797

Packaging

20 kg plastic container
1,500 kg LOGO P 2000* (wet silo with feed pump)
750 kg LOGO P 1000* (refill silo for LOGO P 2000)
* silos cannot be provided when there is a risk of frost.

Use

Thinning

Ready to use. If required, depending on the substrate and the situation on site, dilute slightly with water.

Tinting

No tinting.

Compatibility

Can only be mixed with materials of the same type and those specified in this data sheet.

Application

Apply Qjusion Organic SK 3726 manually with suitable stainless tools or mechanically with a suitable screw conveyor, e.g. a LOGO P 2000. The reinforcement mesh must be embedded in the middle. The dry film thickness of the reinforcement layer must be at least 2 mm in the ETIC system.
For a top coating with Rausan KR 3530 (smooth render), fine grain top renders of the K1 grit and for repairing cracks, the dry layer thickness of the reinforcement layer must be at least 3 mm.

Consumption (on even substrates)

Approx. 4.0–5.5 kg/m².
Depending on the chosen finishing render, when implementing flame-retardant ETIC systems, the required minimum thickness of 4 mm (reinforcement layer and finishing render) is to be observed.
For repairing cracks, depending on the substrate, a higher consumption might be expected.
Determine the exact consumption by means of a test application on the object to be coated.

Application temperature

Do not apply if the air and object temperature is below +5°C or above +30°C, even during the drying time.
At low temperatures, from +1°C to max. +15°C and high relative humidity (min. 75% to max. 95%), we recommend the use of a ½ container (250 ml) of TempTec 3505. The specifications included in the 3505 data sheet must be adhered to.

Tool cleaning

Clean tools with water immediately after use.

Drying (+20°C, 65% relative humidity)

Before application of the top coating, the reinforcement layer must have fully dried. Experience shows that waiting 3 days is sufficient. Protect the reinforced surfaces from direct sunlight, strong wind and humidity during application and drying.
Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Store in a cool and frost-free place. Reseal opened containers tightly.

Declaration

Notes Contains preservatives.

Product code BSW20
Comply with the specifications in the current safety data sheet.

System build-up

Substrate preparation The reinforcement is formed after the insulation board glue dries on clean, dry and flat insulation board surfaces as well as corners that are perpendicular and flush. See also VOB Part C, DIN 18345, Section 3.
When repairing cracks,
the substrate must be solid, dry, clean, load-bearing and free from efflorescence, sintered layers and separating agents. Check the suitability, load-bearing capacity and adhesive properties of existing coatings. Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations.
Depending on the individual requirements, prime absorbent substrates with Lacryl Deep Penetrating Primer ELF 595 or Deep Penetrating Primer 545. Pretreat non-absorbent, load-bearing substrates, e.g. firmly adherent old coatings, with Render Primer 3710. See also VOB Part C, DIN 18363 Section 3.

Reinforcement Manual hand application
Apply Qjusion Organic SK 3726 with a stainless steel smoothing tool in sufficient layer thickness to fully cover the substrate. Depending on the required layer thickness, it is recommendable to comb through the material with a notched trowel with 8 x 8 x 8 or 10 x 10 x 10 toothing. Alternatively, enough of the material can be applied directly with the notched trowel and combed through. Lay ETICS Reinforcement Fiber Mesh 3797 into the fresh reinforcement material in strips that overlap by approx. 10 cm without bubbles or folds. Then press it in and smooth it with a stainless steel smoothing tool. Ensure sufficient fiber mesh coverage. Depending on the requirements, the cured reinforcement layer can be coated with a thin second layer of reinforcement material (scratch coat).

Mechanical application
To do so, apply Qjusion Organic SK 3726 to the prepared substrate in sufficient layer thickness with a suitable screw conveyor, completely covering it. Then, comb through the material with a notched trowel with 8 x 8 x 8 or 10 x 10 x 10 toothing depending on the required layer thickness.
Lay ETICS Reinforcement Fiber Mesh 3797 into the fresh reinforcement material in horizontal strips that overlap by approx. 10 cm without bubbles or folds. Then press it in and smooth it with a stainless steel smoothing tool. Ensure sufficient fiber mesh coverage. Depending on the requirements, the cured reinforcement layer can be coated with a thin second layer of reinforcement material (scratch coat).

Further information about reinforcement is provided in the data sheets of the ETICS Reinforcement Fiber Mesh 3797 and the respective ETIC system description.

System build-up

Top coat

After sufficient curing and drying time for the reinforcement layer, the top coating is made in the system build-up of the respective Brillux ETIC system or in the system build-up of the respective render coating. Protect reinforcement layers that are in contact with the ground with BaseTec 3540. Follow the instructions in data sheet 3540.

Notes

Mechanical application

Follow the device instructions from the manufacturer when applying mechanically.

Further information

Follow the instructions on the data sheets of the products used and the ETIC system descriptions.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

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Brillux
Weseler Straße 401
48163 Münster
GERMANY
Phone +49 251 7188-0
Fax +49 251 7188-105
info@brillux.de
www.brillux.com