

FDV

for

Mosematte

Etter oppdragsgivers beskrivelse:

Gjelder for:

Dato:

1. BRUKERVEILEDNING

Brukerveiledningen er satt sammen for å gi svar på hvordan vedlikeholde mosematter, slik at kvaliteten på produktet opprettholdes.

2. UNDERLEVERANDØRER

- Xeroflor XF 321 mose matter
- Fix ALL Crystal – monteringslim ms polymer

3. PRODUKTBESKRIVELSE

Mosemattene består av minst fire ulike arter moser dyrket på en matte som er laget av resirkulerbare materialer. Avhengig av det lokale klimaet og de lokale værforholdene vil noen mosearter tilpasse seg bedre det nye vekststedet enn andre, og mattene kan langsomt forandre utseende sitt etter hvert. I tørre, varme perioder kan mosene blir brune på grunn av tørke, men etter noen dager med regn og fuktige værforhold blir de grønne igjen.



Vekten på ferdig utlagt mosematte er ca. 16 kg/m² (vanntettet).

Tykkelse: 1,5 cm.

Lengde av moserullene: 1-10 m, eller etter behov.

Bredde av moserullene: 1 m.

Artssammensetning

Mattene inneholder minimum 4 mosearter i varierende sammensetning. Artene kommer fra slektene Racomitrium, Polytrichum, Ceratodon, i noen tilfeller også fra slektene Bryum eller Brachythecium.

4. INSTALLERING

Mosematter kan brukes på vegger, takflater eller som grønne elementer i park- og veianlegg. Mattene bør installeres i solfylte til halvskyggete områder. Mattene kan festes på ulike underlag, men burde ikke installeres på overflater som inneholder sink eller kobber. Moser reagerer sensitiv på disse metallene, i tillegg til kalk. Mattene limes på underlaget ved hjelp av monteringslim. Bruk av mosematter på vertikale flater som vegger kan kreve en annen sammensetting av arter og annen vedlikehold. Ta kontakt for mer informasjon!

5. VEDLIKEHOLD

Mosematter krever lite vedlikehold. Mattene på flate og skrå flater bør ikke vannes og ikke gjødsles. Moseartene i mattene er tilpasset tørkestress og blir brune i tørre perioder. Vanning anbefales ikke, men om mosen skal vannes, bør dette gjøres på kvelden etter solnedgang. På vertikale flater som vegger kan det være nødvendig med vanning siden regnvannet renner av for fort.

6. PRODUKTBLAD – VEDLEGG

Xeroflor XF 321 mose matter	Vedlegg 1
Fix ALL Crystal – monteringslim ms polymer	Vedlegg 2

Xeroflor XF 321 moss matter



moss mat Product Information

Product description

The XF 321 moss mat consists of completely recyclable materials. The vegetation stock includes a mixture of various moss species. Each individual moss species has its own ecological preference. Depending on the location factors of the site, the one or other species will grow stronger and have an impact on the aspect of the moss mat. Therefore the moss mat may slowly change its appearance. Mosses survive long periods of drought. Even when they dry out and turn brown, they do not die off. In a period with regular rainfall they will turn green within a very short time.

Application

Moss mats shall be installed in sunny or semi-shady locations (by request, also moss mats for shady locations are available). The XF 321 moss mat can be installed on different surfaces. In gardens or along traffic routes (salt-compatible species are possible upon request) they are adhered to a foil (only on sloping surfaces) or a woven tape fabric which is attached to the ground by nails. The woven tape fabric requires a substructure of a well drainable layer.

On roofs the moss mats can be installed on non-slatted bituminous or plastic membranes. When using slatted roof membranes, it shall be ensured that slates and roof membrane form a fix unit. On < 5° sloping roofs the moss mats can be fixed mechanically by a cover of round pebbles 16/32 mm (approx. 8 l/m²). Roofs of 5 – 10° inclination require a fixation by bonding. As regards slopes of more than 10° please contact us for a composition of moss species which are suitable for sloping areas.

Attention: Mosses react sensitively to some metals, in particular to zinc and copper. Drain water from metal facades or from galvanized or copper sheets shall not get in contact with the moss mat. If need be, the moss mat shall be installed on a drainage layer.

In general, the irrigation of moss mats is not required. Please contact us if you plan any irrigation of the moss mats. We will suggest suitable solutions.

Technical Data

raw material (nonwoven filaments) (water retention fleece)		PA 100% PET synthetic fibres
weight, saturated	kg/m ²	15,9
weight, dry	kg/m ²	2,1
water capacity at W _{Cmax}	l/m ²	13,8
depth	mm	15
tensile strength (fleece)	kN/m	4
fire performance		fire protection class E
vegetation		minimum 4 moss species in varying composition

Individual values may differ from the a.m. data.

Delivery Form

length of rolls	m	1-10, or by request
width of rolls	m	1,0

The data reproduced in this document reflects our best knowledge at the time of issue. It is subject to change arising from new research and development, as are the properties of the products described. We do not accept any liability for results obtained by using this information or the products mentioned.

Monteringslim ms polymer



Technical Data Sheet

Fix ALL Crystal

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Technical data

Basis	MS Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 10 min
Curing speed * (20°C / 65% R.H.)	2 mm/24h → 3 mm/24h
Hardness	38 ± 5 Shore A
Density	1,04 g/ml
Elastic recovery (ISO 7389)	> 75 %
Maximum allowed distortion	± 20 %
Temperature resistance	-40 °C → 90 °C
Max. tension (DIN 53504)	2,40 N/mm ²
Elasticity modulus 100% (DIN 53504)	0,80 N/mm ²
Elongation at break (DIN 53504)	300 %
Application temperature	5 °C → 35 °C

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Product description

Fix ALL Crystal is a high quality, crystal clear, neutral, elastic, 1-component adhesive based on MS-Polymer.

Properties

- crystal clear formulation
- Excellent adhesion on nearly all surfaces, even if slightly moist.
- Very good mechanical characteristics.
- Good extrudability even at low temperatures
- Ecological advantages – free of isocyanates, solvents, halogens and acids
- Can be painted with all water based paints and many other systems (to be tested)
- Permanent elastic after curing

Applications

- All common bonding and sealing applications, both in and outdoor.
- Transparent and elastic bonding in construction and building applications.
- Invisible bonding of glass and other transparent materials in indoor applications.

Packaging

Colour: transparent
Packaging: 290 ml cartridge

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Chemical resistance

Good resistance to water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis and (salt) water. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication are accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Substrates

Substrates: all usual building substrates, glass, treated wood, PVC, plastics, metals, stone, concrete, ...

Nature: clean, free of dust and grease.

Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. All smooth surfaces can be treated with Surface Activator.

While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. There is no adhesion on PE, PP, PTFE (Teflon®), silicones and bituminous substrates. NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Fix ALL Crystal is not recommended in these applications.

Joint dimensions

Min. width for bonding: 1 mm

Min. width for joints: 5 mm

Max. width for bonding: 3 mm

Max. width for joints: 10 mm

Min. depth for joints: 5 mm

Application method

Application method: With manual- or pneumatic caulking gun.

Cleaning: With Fix ALL Cleaner immediately after use. Cured Fix ALL Crystal can only be removed mechanically.

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label for more information.

Remarks

- Fix ALL Crystal is paintable with waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- Fix ALL Crystal can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc. may differ from manufacturer to manufacturer, we recommend preliminary compatibility test.
- Fix ALL Crystal is not suitable for expansion joints.
- Do not use in applications where continuous water immersion is possible.
- Not suitable for sanitary applications.
- Fix ALL Crystal has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Fix ALL Crystal can not be used as a glazing sealant.
- Fix ALL Crystal cannot be used on natural stone. Because the adhesion surface will discolour under influence of the sealant (looks wet) and because this is visible through the crystal clear sealant it seems like staining has occurred.

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