KREVO Proof Acryl

Flexible single-component acrylic waterproofing membrane | UV- and weather-resistant roof coating

PRODUCT DESCRIPTION

KREVO Proof Acryl is a ready-to-use, single-component acrylic-polymer dispersion designed to form a flexible, seamless waterproofing membrane on exposed roof slabs, terraces and other suitably prepared non-trafficked substrates. The coating offers crack-bridging, weather resistance, UV resistance and water-vapour permeability for new construction and roof refurbishment.

ADVANTAGES

- Single-component, ready-to-use liquid membrane for straightforward application.
- Flexible, crack-bridging waterproofing layer with seamless coverage.
- Resistant to UV exposure, weathering, algae and fungi.
- Good adhesion to sound concrete, brickwork and masonry substrates.
- Water-vapour permeable coating with resistance to carbon dioxide diffusion.

TYPICAL USES

Exposed flat and sloped roofs • New and refurbished roof slabs • Terraces • Non-trafficked concrete structures • Waterproofing and protective coating on brickwork, concrete and masonry • Infrastructure surfaces where specified.

PRODUCT INFORMATION

PARAMETER	SPECIFICATION
Chemical base	Single-component acrylic polymer dispersion
Presentation	Ready-to-use, flexible liquid-applied waterproofing coating
Appearance / colour	White
Standard packaging	20 kg bucket
Solid content | ISO 3251	60% by weight (105 °C, 1 hour)
Shore A hardness | EN ISO 868	Approximately 85
Storage conditions	Original sealed packaging, dry at +5 °C to +35 °C; protect from frost and direct sun
Shelf life	12 months from manufacture under the specified storage conditions

TECHNICAL PERFORMANCE SPECIFICATION

PROPERTY / TEST METHOD	SPECIFIED VALUE
Elongation at break | DIN 53504	360%
Elongation after UV ageing | DIN 53504	150%
Crack-bridging capacity | EN 14891	2.1 mm at +23 °C
Artificial weathering | IS 101	500 h: no cracking or blistering
Water-vapour permeability | IS 101	Pass
Salt-spray resistance	Satisfactory
Water resistance | IS 2645	Pass

Application & System Data

KREVO Proof Acryl | Layer build-up, coverage, working conditions and substrate preparation

APPLICATION PROPERTIES

PARAMETER	SPECIFICATION	PARAMETER	SPECIFICATION
Air temperature	+10 °C to +40 °C	Substrate temperature	+10 °C to +40 °C
Primer consumption	~0.20 kg/m² per coat	Coating consumption	~0.50 kg/m² per coat
Tack-free time	~25 min at +27 °C	Overcoating interval	~24 h at +30 °C
Unreinforced thickness	Approx. 1.0 mm	Reinforced thickness	Approx. 1.2 mm
Waterproofing coats	2-3 after priming	Application method	Brush or roller

Apply the compatible primer at approximately 0.20 kg/m² per coat, followed by 2-3 coats of KREVO Proof Acryl at approximately 0.50 kg/m² per coat. Intended total membrane thickness is about 1.0 mm without reinforcement and about 1.2 mm when used with compatible reinforcing fabric. Consumption varies with substrate condition and application losses.

TYPICAL WATERPROOFING SYSTEM

STAGE	MATERIAL / METHOD
1 | Surface preparation	Sound, clean and fully prepared cementitious substrate; repair defects and joints
2 | Primer	Compatible acrylic primer at approximately 0.20 kg/m² per coat
3 | First coat	Apply KREVO Proof Acryl at approximately 0.50 kg/m²
4 | Optional fabric	Embed compatible reinforcement into the tacky first coat where specified
5 | Further coats	Apply second and, if needed, third coat at ~0.50 kg/m² per coat, with suitable recoat interval

SUBSTRATE PREPARATION

Concrete and cementitious substrates must be sound and of adequate strength (minimum compressive strength 25 N/mm²; minimum pull-off strength 1.5 N/mm²). Remove dust, laitance, oil, grease, loose material, tile glaze and poorly bonded existing coatings mechanically. Repair defects and level uneven surfaces before priming. Ensure a firm, clean substrate with suitable adhesion.

OVERCOATING & CURING INTERVALS

Times below are nominal values at the stated temperatures; actual drying and recoat periods depend on humidity, air movement and film thickness. Allow the preceding layer to reach an appropriate condition before applying the next coat.

METHOD / TEMPERATURE	DESIGN GUIDANCE
Primer to first waterproofing coat	Within approximately 45 minutes, subject to primer condition
Between successive waterproofing coats	Approximately 24 hours at +30 °C
Tack-free surface	Approximately 25 minutes at +27 °C

Avoid moisture, dust, rainfall and contamination during drying. If the surface has become dirty or remained exposed for an extended period, inspect and clean it before recoating.

APPLICATION METHOD

Stir KREVO Proof Acryl thoroughly until uniform. Apply a compatible primer evenly by brush or roller. Apply the first waterproofing coat within approximately 45 minutes after priming, subject to primer condition. For a reinforced system, lay the approved fabric into the tacky first coat and smooth it without wrinkles. Apply the second and, if required, third coat at approximately 24-hour intervals to build a uniform, continuous membrane.

Installation & Product Support

KREVO Proof Acryl | Application practice, service limitations and international contacts

APPLICATION GUIDELINES

- Assess substrate integrity, existing coatings, cracks, joints, drainage and environmental exposure before work.
- Remove all loose or contaminated material and prepare a clean, sound, stable and properly primed surface.
- Stir the ready-to-use coating thoroughly; apply even coats with brush or roller and avoid missed areas.
- Allow the specified drying interval between coats and protect the fresh membrane from contamination.

OPTIONAL REINFORCEMENT SYSTEM

- Use a compatible waterproofing reinforcement fabric for details, local cracking and specified roof areas.
- Place the fabric into the tacky first coat with sufficient wet coating below it to obtain full contact.
- Smooth the reinforcement, remove wrinkles and trapped air and provide approved joint overlaps.
- Cover with the next waterproofing coats after the required waiting period to achieve full encapsulation.

LIMITATIONS & SERVICE NOTES

- Apply only when the ambient and substrate temperatures are between +10 °C and +40 °C.
- Avoid application in rain, frost, on unsound substrates or where condensation may affect adhesion.
- Intended for exposed, non-trafficked waterproofing surfaces; assess special exposure or foot traffic separately.
- Structural and active movement joints require purpose-designed detailing; do not bridge them without approval.
- Check consistency by trial application before introducing light-colour tinting or other finish modifications.

HEALTH, SAFETY & ENVIRONMENT

For professional application by competent personnel. Refer to the current KREVO Safety Data Sheet (SDS) before use. Wear suitable eye protection, gloves and work clothing; prevent unnecessary skin and eye contact. Maintain appropriate site ventilation and prevent washings from entering drains. Clean equipment immediately after use with clean water; hardened residue may require mechanical removal.

QUALITY & PRODUCT INFORMATION

System performance depends on compatible primer and fabric selection, sound substrate preparation, required coat consumption and correct drying. Figures in this sheet are intended technical specification values; KREVO production quality-control records and applicable testing should be checked before using them as batch-specific certified results. Always carry out site compatibility checks for demanding exposure conditions.

KREVO | GLOBAL CONTACTS

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