

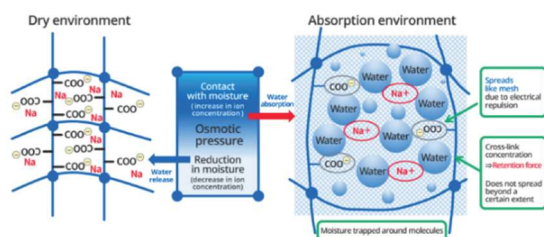
WSI-INT-62002.1

Drykeeper Safety and Technical Datasheet

Product name: Drykeeper
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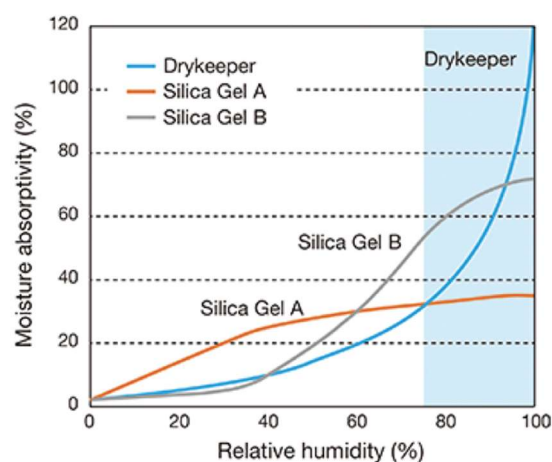
Product features

- A rubber sheet blended with a reversible, water-absorbing polymer that captures moisture at high humidity and releases it when humidity drops.
- Because the polymer regenerates its absorption capacity automatically, the product operates without maintenance.
- Compared to silica gel, it offers significantly higher moisture absorption while maintaining a long service life.



Main applications

- Prevention of condensation inside enclosed spaces such as control panels.
- Reduction of fogging caused by condensation inside surveillance cameras.
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Physical information

- Physical state: Solid, flexible sheet
- Colour: Grey
- Shape: Sheet
- Moisture absorption capacity:
- Mini (15 × 15 × 3 mm): 0.12 g
- Business Card (50 × 100 × 3 mm): 2.6 g
- A5 (105 × 300 × 3 mm): 16 g
- A4 (210 × 300 × 3 mm): 32 g
- Sheet 600 x 630 x 3 mm: 1163
- Density: 1.25 (specific gravity)
- Other: Almost insoluble in water (gels)

Precautions for use

- Avoid placing objects directly on the moisture-absorbing surface or obstructing it.

- Do not use the product in locations exposed to direct water or dripping water.
- Some elution of the internal water-absorbing polymer may occur.
- Not for consumption, keep out of reach of children.
- Follow all precautions listed in this datasheet.

Environmental

- Drykeeper is a halogen-free, eco-friendly moisture-absorbing sheet produced by blending synthetic rubber with a super-absorbent polymer.
- It complies with both REACH and RoHS directives.
- At end of life, it can be disposed of with regular household or commercial waste.

Operating limits

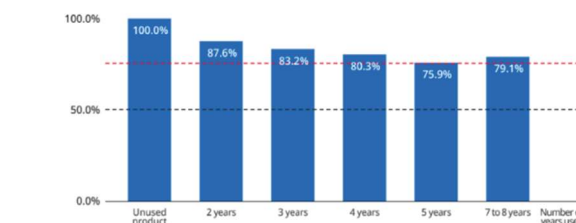
- Maximum operating temperature: +90 °C (+80° C for Drykeeper Mini)
- Minimum operating temperature: -30° C
- Absorbency: 0.8g (H₂O)/1g (product)
Conditions: 25° C, 95% RH or higher
- Regeneration dehydration temperature: 80° C

Composition information

Principal composition information for Drykeeper

Chemical or generic name	Acrylic rubber	Acrylic acid Polymeric sodium salt Crosslinked product	Carbon black
Chemical/ structural formula	(C ₃ H ₃ N.C ₇ H ₁₂ O ₂ .C ₆ H ₁₀ O ₃)	Not disclosed	C
CAS No.	58969-70-3	Not disclosed	1333-86-4

- The product can freeze without losing performance.
- Typical operating life: 10 years
- Maintenance-free operation



Installation

- Drykeeper Mini includes a self-adhesive backing for easy installation on enclosures. It adheres to curved surfaces and a wide range of materials, including ABS, polycarbonate, FRP, and metals such as stainless steel, aluminium, and steel.
- In addition to the Mini and DK Sheet versions, Drykeeper is also available in a non-woven fabric form. It can be removed and cut with household scissors if required, and hole-punching is permitted.