



TIKKURILA

# CLIMATECOOLER CATALYST FLEX

## HEAT REFLECTIVE ROOF COATING

- DESCRIPTION** Self-cleaning, flexible, heat reflecting water-borne modified acrylate paint with photocatalytic effect. Breaks down harmful NO<sub>x</sub> compounds into harmless NO<sub>3</sub><sup>-</sup> compounds (salts).
- RECOMMENDED USES** Bitumen, concrete tile, fiber-cement sheet and primed steel sheet roofs.
- PRODUCT FEATURES** Painting of roofs. Must be used as part of a system, where ClimateCooler Uni Primer (e.g. concrete tile roofs) or ClimateCooler Flex Primer (e.g. bitumen roofs) are used as a primer.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

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TECHNICAL DATA	
<b>Colour Shades</b>	White.
<b>Gloss</b>	Matt (5/RT classification).
<b>Coverage</b>	3-4 m <sup>2</sup> /l.
<b>Can sizes</b>	20 l
<b>Thinner</b>	Water
<b>Application method</b>	Brush, roller or spray (airless). High pressure spray nozzle 0,019" - 0,021" (nominal angle 40° - 50°).
<b>Drying time</b>	Withstands rain and dew 1-2 hours after application. Drying will be slower with higher relative humidity of the air and at lower temperatures. A second coat can be applied earliest 3-4 hours after the first coat.
<b>Density (kg/l)</b>	approx. 1.4 kg/l, ISO 2811.
<b>Weather resistance</b>	Good also in industrial and marine climate.
<b>Volume solids (%)</b>	42
<b>Special feature</b>	The reflection ability for sun rays: Reflects at the most 80% of the sun rays.
<b>VOC</b>	(cat A/i) 140g/l (2010) ClimateCooler Catalyst contains VOC max. 140g/l
<b>Storage</b>	Protect from frost.

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## APPLICATION INSTRUCTIONS

### Application conditions

The surface to be painted must be solid and dry, air temperature at least +8 C and relative humidity of the air below 80 %. Schedule the painting work so that the paint film will be dry before the evening dew. Do not paint under the risk of rain.

### Surface preparation

Clean the surfaces from dirt, dust, moss and lichen. Use high pressure washer, avoiding damaging the substrate and structures. Apply ClimateCooler Cleaner solution according to instructions if needed.

When handling a surface containing asbestos, the decision of the Council of State respecting work with asbestos No. 1380 of 1994 must be followed along with related decrees 318/2006 and 863/2010.

### Priming

Use ClimateCooler Uni Primer on top of concrete roof tiles, fiber cement sheets or primed steel sheet.

### Undercoating

Nox Compounds Decomposing Roof Coating

### Top coating

Mix the paint carefully before use.

Apply one or two coats of ClimateCooler Catalyst, total wet film thickness 200-225 µm.

Note!

Check the condition of the roof and the roof structures before starting the work.

The product contains film protecting agents, therefore rainwater flowing from the roof is not recommended to be used for watering plants or washing during the first year from painting.

The product is not suitable for clay tile roofing.

### Cleaning of tools

Clean tools with water. Tikkurila Pensselipesu Tool Cleaner is recommended to remove slightly hardened paint.

### Maintenance instructions

Handle the painted surface with care as the product achieves its final hardness and durability in normal conditions in about four weeks. The surface achieves its final hardness and durability within approx. 4 weeks.

Earliest after 1 month from application the surface can be cleaned with ClimateCooler Cleaner (mixing ratio 1 part of cleaner in 50 parts of water).

### Maintenance treatment

Surfaces painted with ClimateCooler Catalyst can be maintenance painted with the same system.

### Environmental protection and waste disposal

Avoid spillage into drains, water systems and soil. Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

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## Health and Safety

Harmful to aquatic life with long lasting effects. Avoid release to the environment. Wear protective gloves. Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)) and 2-octyl-2H-isothiazol-3-one (OIT). May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. Contains: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)).

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