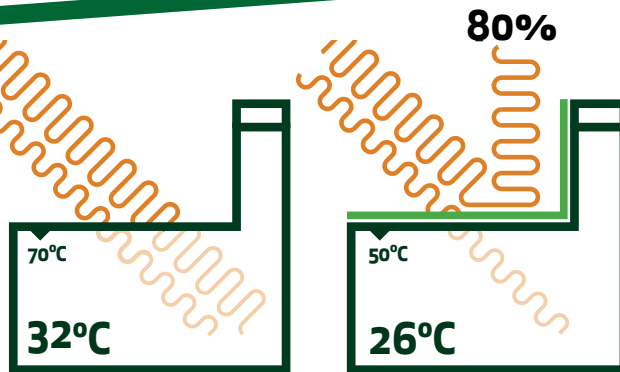
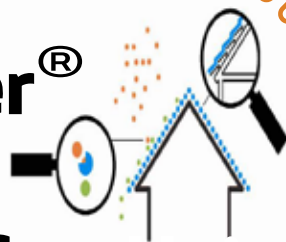


# ClimateCooler<sup>®</sup> Catalyst Uni RoofTopCoat



## Product description:



CC Catalyst UniRoofTopcoat is a solar reflection roof coating with built in photocatalytic effect. The photocatalytic means the coating is able to transform harmful NO<sub>x</sub>-particles from air pollution into harmless NO<sub>3</sub> (Nitrates). The flexibility is up to 200%.

Catalyst UniRoofTopcoat is based on thermostabilizing polymers with excellent adhesion, special built in photocatalytic pigments, and the latest generation of special insulating ceramic beads used in the space industry. Added nanosilane gives the paint a very good self-cleaning effect.

We now have succeeded in transferring these properties into CC Catalyst UniRoofTopcoat

CCC UniRoofTopcoat is designed especially for fibercement roofs, concrete- and clay tiles.

The roof surface is provided with unique properties such as solar reflectance and the ability to transform NO<sub>x</sub> into NO<sub>3</sub> when there is light and humidity present. This gives the surface the ability to clean the air for many years in addition to its self-cleaning effect.

The roof surface also reduces the heat absorption up to 40% because of the reflective pigments. On a hot summer day it will reduce the indoor temperature with 10-15 °C.

CC Catalyst UniRoofTopcoat offers ultimate protection against sun, rain, heat, snow and cold. The roof will appear nice and beautifully painted for years to come and since the effect of the solar radiation is lowered dramatically, the degradation will be reduced significantly. In addition to this CC Catalyst UniRoofTopcoat also has an environmental benefit because of the NO<sub>x</sub> transformation.

By using CC Catalyst UniRoofTopcoat on a 200 m<sup>2</sup> roof it's possible to reduce the energy consumption for airconditioning and thereby save CO<sub>2</sub> emission equal to 1 ton pr. year. This amount represents 10% of the CO<sub>2</sub> emission an average Danish person produces every year.

**Please always make a test coat to ensure the compatibility of product and surface.**

## Application:



Always apply the CC Catalyst UniRoofTopcoat on the CC Catalyst UniRoofPrimer. Two coats are necessary to ensure the right thickness of the paint.

If necessary dilute the CC Catalyst UniRoofPrimer with 10% water when the first application is done.

The second layer with CC Catalyst UniRoofTopcoat is applied undiluted.

## Specifications:



**Composition:** Waterbased, heat resistant polymers, sun-reflecting and catalytic pigments, UV-stabilizers and nanosilanes.

**Colours:** Off-white, pale grey, aluminium grey, dark anthracite grey, black, tile red, oxide-red and dark brown. **Packaging:** 20 l buckets, 120 l plastic drums, 600 l IBC containers **Density:** 1,10-1,20 g/ml **Dry content:** appr. 50 w/w% and 45 w/v% **Gloss:** Approx. 20 at 60° angle. **Spreading rate:** 4-5 m<sup>2</sup>/l depending on surface and application method. **Drying time:** 90 minutes at 20°C and 60% RH humidity. **Application conditions:** The temperature must be minimum 5°C with a maximum of 80% RH humidity.

**Application:** Roller, brush or spray. **Cleaning:** warm water and soap immediately after use. **VOC:** max. 40 g/l (Cat. A/c)

**Storage:** Dry, frost-free in closed containers and out the reach of children.

## Benefits

**Extends roof lifetime for many years**

**Superior adhesion**

**Elasticity of up to 250% on complicated surfaces**

**Beneficial to the environment**

**Reduces harmful particles such as NO<sub>x</sub> in car exhausts and from burnt fossil fuels**

**Cuts down on CO<sub>2</sub> emissions thanks to reduced energy needs for cooling**

**Reflects the sun's IR and UV rays by up to 80%**

**Self-cleaning**

**Reduced need for energy to cool/heat buildings**

**A roof surface of 200 m<sup>2</sup> coated with ClimateCooler Catalyst reduces annual CO<sub>2</sub> emissions by 1 tonne.**



WWF for a living planet<sup>®</sup>

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