

ClimateCooler® Catalyst Flex RoofTopCoat



Product description:

CC Catalyst FlexRoofTopcoat is a solar reflection roof coating with built in photocatalytic effect.

The photocatalytic activity means the coating is able to transform harmful NO_x-particles from air pollution into harmless NO₃ (Nitrates). In addition to this, it has a flexibility up to 200%.

Catalyst FlexRoofTopcoat 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 FlexRoofTopcoat

CCC FlexRoofTopcoat is designed especially for bituminous felt roofing, concrete, rust protected steel and other difficult surfaces.

The roof surface is provided with unique properties such as solar reflectance and the ability to transform NO_x into NO₃ 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 temperature indoors with 10-15 °C.

CC Catalyst UniRoofTopcoat offers ultimate protection against sun, heat, rain, 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 FlexRoofTopcoat also has an environmental benefit because of the NO_x transformation.

By using CC Catalyst FlexRoofTopcoat on a 200 m² roof it's possible to reduce the energy consumption for airconditioning and thereby save CO₂ emission equal to 1 ton pr. year. This amount represents 10% of the CO₂ emission an average Danish person produces every year.

It is recommended to maintain the newly painted roof with a treatment of Iso A-Clean approx. every 2 years to keep a nice and clean surface.

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

Anvendelse:



Always apply the CC Catalyst FlexRoofTopcoat on the CC Catalyst FlexRoofPrimer.

Two coats are necessary to ensure the right thickness of the paint.

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

The second layer with CC Catalyst FlexRoofTopcoat is applied undiluted.

Tekniske data:



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, red-brown 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:** 2-3 m²/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 life by many years

Excellent adhesive power on difficult surfaces

Up to 200% flexibility

Reflects up to 80% of IR and UV rays

Reduces surface temperature by up to 40%

Reduced CO₂ emissions because less energy is required for cooling

Self-cleaning



WWF for a living planet®



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