

# ClimateCooler Flex Roofprimer®



## Product description:



ClimateCooler Flex Roofprimer is a primer with unique properties used prior to applying ClimateCooler Flex RoofTopcoat.

Flex Primer is based on thermo-stabilizing binding polymers with high adhesion, UV stabilizers, and the latest generation of special insulating ceramic beads used in the space industry for heat-proof and insulating coatings. We now have succeeded in transferring this fully developed technology to the Flex Primer.

Use of these insulating ceramic pigments means that this type of insulating paint can only be produced as a grey-white coating. However the unique combination of these insulating ceramic pigments with the thermostable special UV and IR reflecting pigments of Flex Topcoat paves the way for creating an optimal ClimateCooler system that will keep roof surface temperatures cool.

Roof constructions and attics will be kept significantly cooler compared to traditional painted/unpainted roof coverings.

The Flex Primer/FlexTopcoat ClimateCooler system can reflect up to 80% of solar radiation. That means less heat build-up and less need for energy to air-conditioning. The final benefit is less CO2 emission and reduction of global warming.

**Please make a test coat on the surface for controlling the compatability.**

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.

## Usage:



Clean the roof for dirt and old paint. Growth such as algae and moss is removed with ISO A-Clean prior to application of ClimateCooler FlexPrimer. Once the roof has dried, it is recommended to sweep and vacuum for loose debris and stones.

Depending on the surface characteristics use a brush, roller or paint spray gun. Spreading rate: Approximately 3 m<sup>2</sup>/l.

Flex Primer may be diluted with water up to max. 10%.

The Flex Primer /Flex Topcoat ClimateCooler System is specifically developed for flat roofs of bituminous felt roofing, concrete and rust protected steel.

## Technical data:



**Usage:** Roof coatings on roofs of bituminous felt roofing, concrete and rust protected steel. **Composition:** Water-based thermostable flexible polymers, UV and IR stabilizers, special insulating ceramic beads. **Colour:** White, black, oxide red, anthracite grey **Lustre:** 5 **Packaging:** 20 l buckets, 120 l plastic drums and 600 l IBC containers **Application:** Brush, paint roller or paint spray gun **Drying time:** 4 - 6 hours at 20°C and 60% humidity **Spreading rate:** Approx. 2 - 3 m<sup>2</sup>/l depending on the surface characteristics and application method **Cleaning:** Warm soapy water immediately after use. **Storage:** Dry, frostfree and out of reach of children. **VOC:** Max 30 g/l (cat. a/g)

## Benefits

**Extends roof life by many years**

**Good adhesive power on difficult surfaces**

**Up to 400% flexibility**

**Reduced CO2 emissions because less energy is required for cooling**

**Reduces roof surface temperature by up to 40%**



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**Iso Paint Climate Cooler A/S**  
Tvaervej 8  
6640 Lunderskov  
Denmark

Tlf +45 7633 3114  
Fax +45 7633 3115

mail@isopaint.dk  
www.climatecooler.dk

