Cool Colors Solar-Scud

Heat-reflecting finishes for external use

kerakoll

Heat-reflecting finishes for external use

Collection made of special SOLAR-SCUD pigments with high reflection of solar radiation.

Designed to decorate thermal insulation panelling systems with no aesthetic limitations, compliant with the Italian Technical Report UNI/TR 11715. Ideal to decorate surfaces without thermal insulation panelling systems as well.

Cool Colors Solar-Scud colours are formulated using special heat-reflecting pigments; despite their intense colouring, they reflect much of the incoming solar radiation, thus remaining cooler and contributing to solve problems related to overheating in buildings decorated with traditional colours.

How colours affect surfaces

The collection is also ideal for reducing the urban heat island effect without giving up any colour combination.

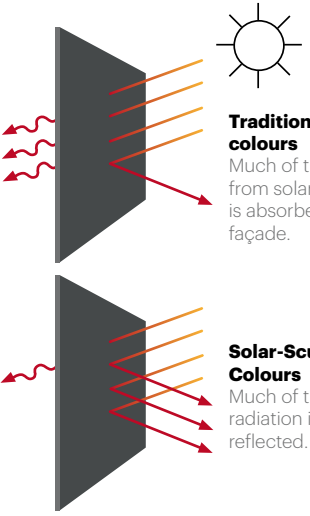
The urban heat island effect consists of an increase in air temperature in areas with a lower average temperature.

This phenomenon is strongly influenced by the surfaces colouring in urban environments; dark-coloured surfaces made with traditional pigments absorb more solar energy and re-emit it in the form of thermal energy, resulting in a rise in temperature.

The use of Kerakoll SOLAR-SCUD colours reduces the impact on the microclimate and atmospheric pollution.

How the sun's rays affect the façade

The parameter quantifying the ability to reflect incident radiation is called solar reflectance index (SRI); the higher the value, the lower the tendency of the surface to overheat.



Traditional colours
Much of the heat from solar radiation is absorbed by the façade.

Solar-Scud Colours
Much of the radiation is reflected.

E.G.:
SRI traditional pigments
Black = SRI 4
Dark Red = SRI 8

SRI heat-reflecting pigments
KIR69 = IR 20
KIR51 = IR 29

Colours can be reproduced with the following products

Kompact Finish

Fibre-reinforced, coloured covering for facades and for ETICS. Protected by waterproofing and breathable siloxanes.

Silox Finish

Siloxane, fibre-reinforced, coloured covering for facades and for ETICS. Breathable and water-repellent.

Flex Paint

Anti-carbonation elastomeric paint compliant with standard EN 1504-2, for concrete, repairs of facades and for ETICS.

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General information

Colours in this collection are exclusively supplied factory-dyed in the finishes and undercoats indicated.
We recommend testing the product on the building site to check the exact colour shade and its coverage. Prior application of one or two coats of coloured primer in the same matching colour improves coverage and smoothness of the final colour. The good outcome of the work may depend on the substrate's absorption and structure, environmental conditions and application techniques.

Warning

Colours in this colour chart are to be considered merely indicative and are not binding. Same colour shades may have different intensity and brightness depending on the different materials used and types of processing. Do not use products from different production batches on large surfaces; their colour shades may slightly differ.

KIRO1

KIRO2

KIRO3

KIRO4

KIRO5

KIRO6

KIRO7

KIRO8

KIRO9

KIR10

KIR11

KIR12

KIR13

KIR14

KIR15

KIR16

KIR17

KIR18

KIR19

KIR20

KIR21

KIR22

KIR23

KIR24

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KIR68

KIR69

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