

## **Providing comfort in the heat**

The Cool Shades Collection



The Cool Shades Collection For a brighter future

**Powder Coatings** 

Architectural

Jotun GreenSteps =

## New levels of energy efficiency

As temperatures rise in the summer, we need to use more energy to keep buildings cool and comfortable. The Cool Shades Collection of powder coatings from Jotun offers an innovative and sustainable way to reduce temperatures and energy consumption.

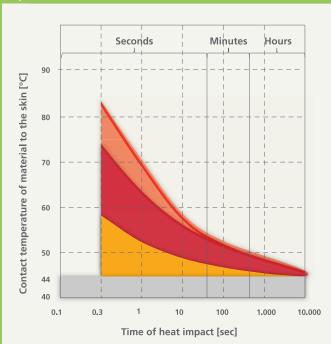
When applied to building components, this environmentally friendly powder coating reflects the heat from the sun. By reducing the temperature of both the external and internal surfaces, it also lowers the internal air temperature And when it is cooler inside, you save more energy (see Graph 2).

The surfaces of buildings and structures can reach high temperatures during hot summer periods. Prolonged human contact can cause various degrees of burns (see Graph 1). By using The Cool Shades Collection, you can control the temperature and improve human comfort and safety.

#### Risk scenarios of interior surface temperatures

(source: SKIEA 1979 and ai3 2013)





- 1 Normally no changes in the skin tissue
- 2 1st degree burns (redness, swelling with pain)
- 3 Transition Zone
- 2nd degree burns (blistering, skin incomplete destruction and 3rd degree burns (full skin destruction)







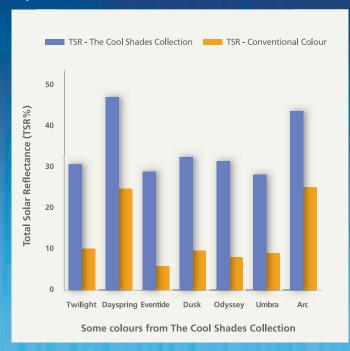




#### A vision of colour

The Cool Shades Collection is available in a wide range of colours to match the architect's vision and provide the desired impact. This innovative powder coating can be applied to window frames, curtain walls, shutters, louvers, wall panels, roofs, hand rails and other building components.

Graph 3



## A Jotun GreenSteps - Product

This product isn't just a step towards outstanding protection for your property; it is also a step towards a better environment. It is one of many Jotun products that qualifies to be a part of the Jotun GreenSteps programme – a programme that makes a significant difference to the world we all share, with steps like waste and hazardous material reduction, product innovations that reduce energy usage, new processes that lower our carbon footprint and creating more products with lower Volatile Organic Compound (VOC) emissions. By using this Jotun GreenSteps product, you are part of a journey to a greener, more colourful world.

# **Environmental benefits of Powder Coatings**

Environmentally friendly, powder coatings do not contain solvents, so no VOCs are released into the air. Unused or oversprayed powder can be recycled with minimal wastage, and disposal is easy and safe. In addition, all Jotun Powder Coatings' products are lead-free.



#### **Examples of finishes:**

Umbra Texture



Umbra High gloss



#### **Stay in touch**

Please contact us for more information on The Cool Shade: Collection. We offer company training on our product portfolio and powder coating technology through a number of powder schools that we run for our customers. Feel free to contact your local sales representative for more information.



