



## Reflective Powder Coatings to Keep Spaces Cooler

Because darker surfaces absorb solar energy whereas lighter surfaces reflect it, this can create significantly more heat within the object. When it comes to buildings specifically, the darker the color of the facade of the building, the more energy is needed to cool it. Not only will this effect the interior temperature, but the quality of the processed materials effected by the excessive increased temperatures.

VitraCOOL is an innovative powder coating system where you can significantly control the heat reflection properties of the surface. Because of special pigments the effectiveness of VitraCOOL increases as the color shade selected darkens.

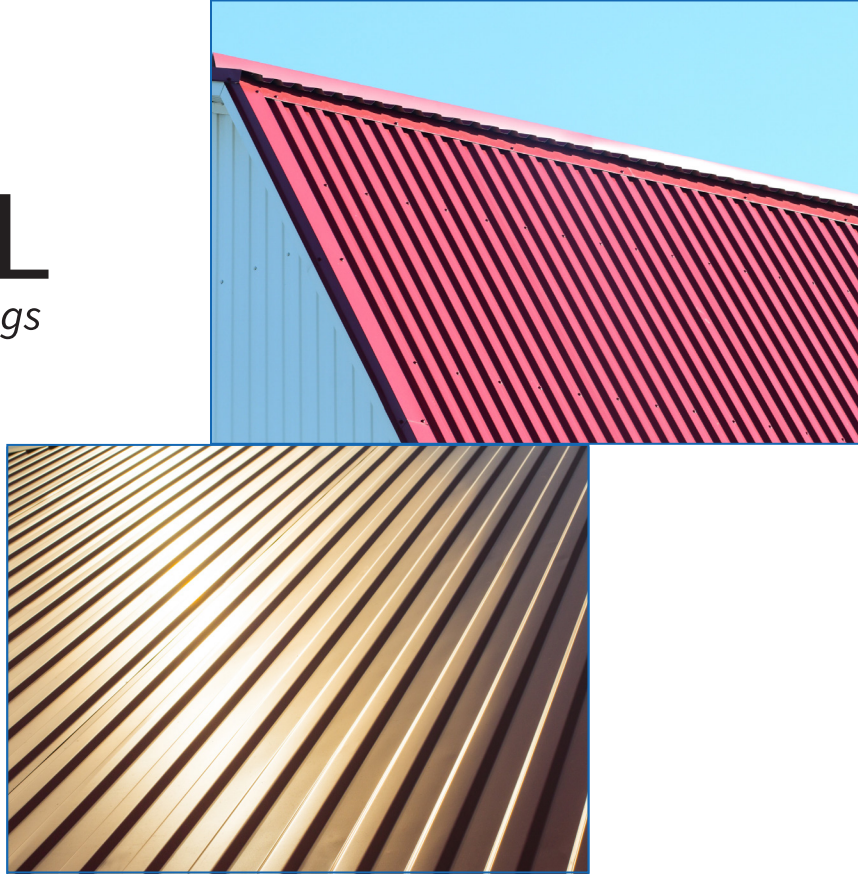
Depending on the color, the improvement in reflection can be up to 20% and the surface temperature can decrease by up to 20%.

VitraCOOL can be handled like other powder coatings and are designed to meet Qualicoat and GSB approvals.

### Advantages

- Improvement of infrared reflection of over 20% depending on the color.
- Reduction in surface temperature by up to 20%
- Reduction of mechanical stress of metals in outdoor area
- Reduction of energy costs for cooling the building
- Easy handling
- Environmentally friendly
- Available in a large selection of RAL colors

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RAL Color	VitraCOOL % TSR	Standard RAL Line % TSR
RAL 9005	25	5
RAL 3003	42	21
RAL 6003	32.1	26.3
RAL 7013	26.6	10.2
RAL 1001	59.1	47.7

TSR = Percentage between 0 and 100% that rates a products ability to reflect solar energy back into the atmosphere. 100% equals total reflection, 0% total absorption.

### VitraCOOL PRODUCTS

Description	Code
• COOL RAL 7013 BROWN GRAY 005H	ZCL30005H
• COOL RAL 9005 BLACK	ZNL30006H
• COOL RAL 6003 OLIVE GREEN 0026H	ZVL30026H
• COOL RAL 1001 BEIGE 008H	ZML30008H
• COOI RAL 3003 RUBY RED 0452H	ZRL30452H



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