

Make your life easier with lightweight fillers



# Omyasphere<sup>®</sup> 200 series

For Elastomeric  
and Cool Roof Coatings



THINKING OF TOMORROW

# Improving the Performance and Savings in Elastomeric and Cool Roof Coatings by using Omyasphere 200 Series

Omyasphere 200 series, lightweight filler based on closed-cell expanded perlite, leads to density reduction of elastomeric and solar reflective roof coatings increasing the yield and solids by volume while enhancing elongation and reducing weathering of final system. Thanks to its functionality, the addition of 3 to 5% of Omyasphere 200 series by replacing on the volume basis the heavier mineral fillers (e.g. calcium carbonate, talc), leads to great potential to support improvement in elastomeric and high reflective roof coating properties, especially weight and insulation, and application procedures, which expands the comfort zone for people

## Case Study

4% Omyasphere 200 series loading leads to noticeable benefits in elastomeric and cool reflective roof coatings. The density reduction of final coating leads to lower weight and higher yield/ coverage rate meaning less material for covering one given area. The introduction of Omyasphere 200 series leads to higher elongation meaning lower cracking trend and overall enhanced weathering.

The solar reflectivity Index (SRI) increases enhancing the comfort properties reducing building energy consumption.

## Density (kg/l)



## Elongation (%)



## Solar reflectance index (SRI)



## Benefits

- *Weight reduction/ enhanced yield*
- *Higher dry film thickness due to higher solids by volume*
- *Increased flexibility and crack resistance*
- *Reduced weathering*
- *Enhanced comfort properties (e.g. thermal conductivity, emittance) lowering energy consumption*

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