

# Omyasphere® 900 series

For Ultralightweight Spackles, Joint Compounds, Joint Filler, and Putties



## Reduce Cracking and Improve Sandability with Omyasphere 900 Series – Hollow Glass Microspheres

Omyasphere 900 series are lightweight fillers engineered for the construction industry derived from soda lime borosilicate glass. They are spherical and hermetic microspheres with low density, high compressive strength and high brightness that provide functional properties to your ultralightweight (ULW) spackle, joint compound, joint filler, and putty formulations.

### Application

When compared to a formulation without lightweight filler, the introduction of hollow glass microspheres can improve application easiness leading to higher quality finishing and faster operations. Additionally, the low density of Omyasphere 900 leads to safer handling and tangible savings in the transportation phase, reducing the carbon footprint of the final product.



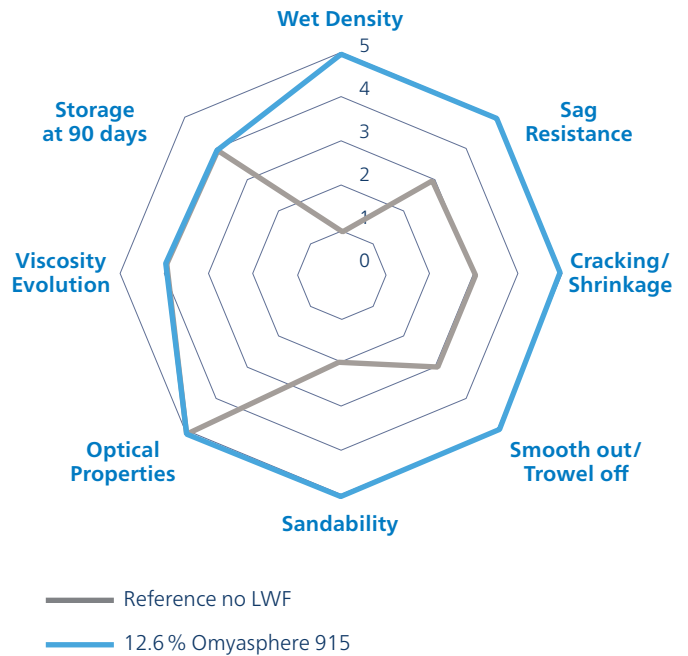
### Benefits

- ✓ Reduced weight
- ✓ Transportation savings
- ✓ Improved sandability
- ✓ Application easiness
- ✓ Higher yield
- ✓ Reduced cracking

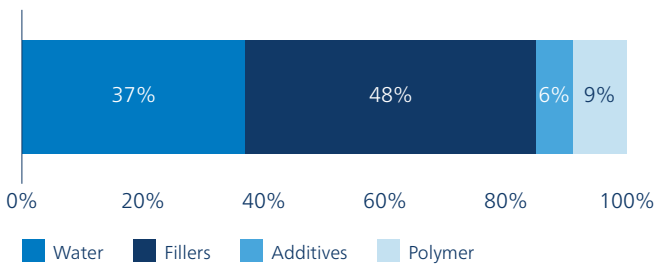
# Case Study

Introducing 12.6% Omyasphere 915 into an ultralightweight spackle formulation leads to a significant density decrease, improved sandability, and dimensional stability, compared to a reference spackle without LWF.

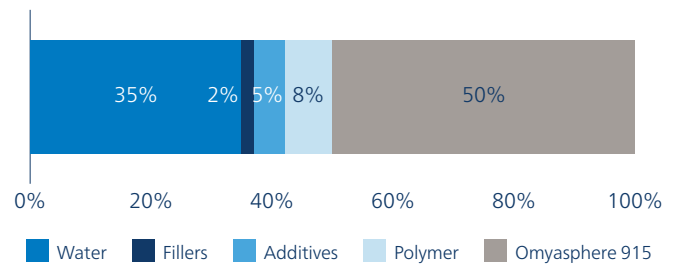
ULW Spackle PVC ~ 92%	% by weight	% by weight
Water	19.5	56.4
Dispersing agent	0.1	0.2
Dispersing agent	0.7	2.0
Rheological additive	0.4	0.9
pH regulator (10%)	0.4	1.0
Defoamer	0.4	1.3
Rheological additive	0.4	0.9
Preservative	0.1	0.4
Thickener	1.0	2.0
GCC Omyacarb 40 - GU	41.0	3.7
GCC Omyacarb 65 - GU	30.0	2.8
<b>Omyasphere 915</b>	-	<b>12.6</b>
Polymer emulsion	5.0	14.1
Water	1.0	1.7
Total	100	100
<b>Density [g/cm³]</b>	<b>1.8</b>	<b>0.6</b>



Volume (%) - Reference



Volume (%) - Omyasphere 915



Omyasphere is a registered trademark of Omya AG in multiple countries.

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