

Omyasphere 200 series

For spackles, joint compounds,
joint filler, and putties



Improve Performance and Save Cost with Omyasphere 200 Series – Closed-cell Expanded Perlite

Omyasphere 200 series, lightweight fillers based on closed-cell expanded perlite, leads to density reduction and significant yield enhancement when replacing filler in spackle, joint compound, joint filler, and putty formulations.

Application

When compared to a formulation without lightweight filler, the Omyasphere 200 series can improve application easiness leading to higher quality finishing and faster operations. Additionally, the low density of Omyasphere 200 leads to safer handling and tangible savings in the transportation phase, reducing the carbon footprint of the final product.



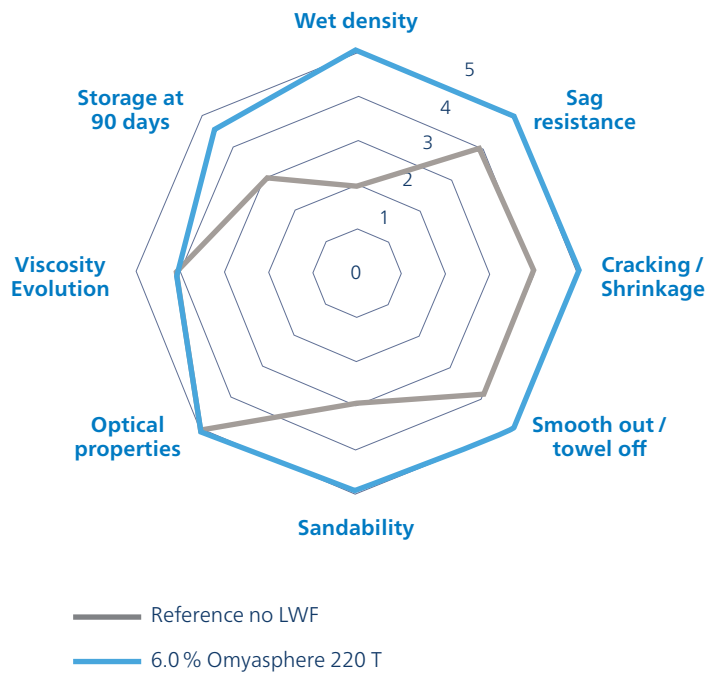
Benefits

- ✓ Reduced weight
- ✓ Improved sandability
- ✓ Enhanced rheology
- ✓ Higher yield
- ✓ Transportation savings
- ✓ Application easiness
- ✓ Reduced cracking
- ✓ Reduced cost per liter of the final formulation

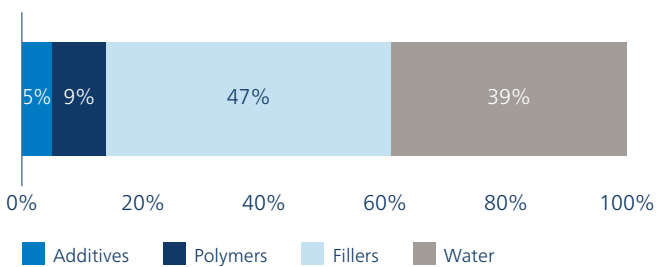
Case Study

Introducing 6% Omyasphere 220 T into a spackle formulation leads to increased yield resulting in significant cost savings per m² along with improved sandability, dimensional stability, and sag resistance properties compared to a reference without LWF. For a product with a brighter and smoother finish, Omya offers Omyasphere 212 T with a smaller particle size.

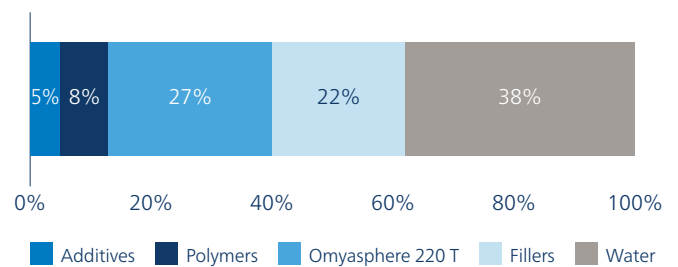
Spackle – Ready to use Density ~ 1.1 Kg/L	Part by weight (%)	Part by weight (%)
Water	20.7	30.6
Dispersing agent	0.1	0.1
Rheological additive	0.4	0.6
MHEC	0.4	0.6
pH regulator (10%)	0.4	0.6
Defoamer	0.4	0.6
Dispersing agent	0.7	1.1
Preservative	0.1	0.2
Polymer emulsion	5.2	7.7
Thickener	0.7	1.1
GCC – Omyacarb 40 (d50~30µm)	40.5	28.0
GCC – Omyacarb 65 (d50~45µm)	29.7	22.0
Omyasphere 220 T	-	6.0
Water	0.7	0.8
Total	100	100
Density [g/cm³]	1.7	1.1



Volume (%) - Reference



Volume (%) - Omyasphere 220 T



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