



Calcium Carbonate for Adhesives and Sealants



THINKING OF TOMORROW



Omya is a leading global producer of industrial minerals, mainly fillers and pigments derived from calcium carbonate and dolomite, and a worldwide distributor of specialty chemicals.

Committed to implementing the principles of sustainability at all company levels, Omya provides added value products and services from responsibly sourced materials to meet the essential needs of current and future generations.

Omya provides a wealth of product solutions and services that contribute to its customers' competitiveness and productivity in multiple industries.

The Role of Calcium Carbonate in Adhesives & Sealants

Reduces

Our calcium carbonates can reduce the content, and thus dependency of polymer based binder products in formulations. This reduces the carbon footprint (greenhouse gas emissions) of the overall package.

Replaces

Our calcium carbonates help to replace mineral fillers & pigments with high oil absorption, and carbon footprint (greenhouse gas emissions) and therefore reduce polymer based binders.

Resistant

Our calcium carbonates increase the resistance and durability of coating films, as well as adhesive & sealant joints, and thus the life cycle of the final products and goods.

Workability

Our calcium carbonates improve the workability of coatings, adhesives, sealants, inks, plasters and renders, leading to increased working life of application tools and less energy consumption.

Product Overview

Surface Treated	< 1 µm	Omyabond® HP Omyacarb® FT	Rheological/ Mechanical Modifier
	~ 2 µm	Omyabond® 520 Omyacarb® 2T Omyabond® 700 Omyacarb® 5T	Functional Filler
Untreated	5 µm		
	< 100 µm	various types of: Omyacarb® Snowwhite® Pulprowhite®	Extender



The Right Grade for Your System

Physically Setting Systems

Application	Filler level up to	Typical Carbonates
Paper and Packaging (aqueous)	30%	Omyacarb® 3 and Omyaflow® slurries
Solvent Based Systems	30%	Omyacarb® F / 3 / 5
Hot Melts	30%	Omyacarb® F / 3 / 5 / 2T
Tapes and PSAs	30%	Omyacarb® 5 / 3
Acrylic Sealants	60%	Omyacarb® 5
Flooring – emulsion based	60%	Omyacarb® 10 / 15 / 20
Tile Adhesives – emulsion based	60%	Omyacarb® 5 / 10 / 15

Chemically Curing, Reactive Systems (Flexible Adhesives & Sealants)

Application	Filler level up to	Omya GCC	
		Omyacarb® Grades	Omyabond® Grades
Silicones	~50%	FT / 2T / 5T	
Hybrid	~50%	FT / 2T	520 / HP
Hybrid – Wood Flooring	~60%	10 / 12	520 / HP
1k-Polyurethane	~50%	5T	700
2k-Polyurethane	~50%	FT / 2T	HP
2k-Polysulfide	~60%	FT / 2T	



ANY QUESTIONS?

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CUSTOMER CARE



INNOVATION



SUSTAINABILITY

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