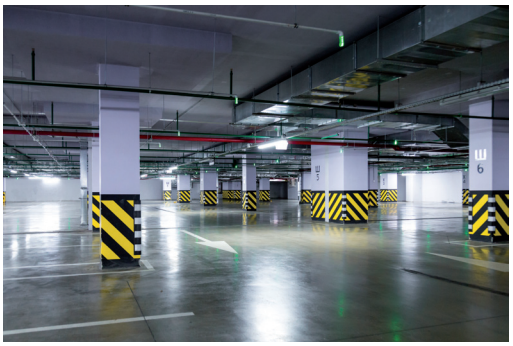
Coathylene® Polymer Powders

Powder Additives for paint and varnishes
Texturing - Matting - Anti-slip agents.

Based on pure polymers, Coathylene® thermo-plastic powders offer an attractive alternative to waxes and will be used as additives in paint and varnish formulations to obtain

- satin and matt finishes
- structural effects
- anti-slip surfaces



Typical applications:

- Road marking
- Interior and exterior structured paint
- Vehicle body parts
- Wood & metal furniture coatings
- Metal casings, electrical box coatings
- Marine coatings, ship decking
- Swimming pools and the surrounding infrastructure
- Heavy duty industrial flooring

The low specific gravity of most Coathylene® powders allows particles to migrate to the surface of the substrate. The addition rate is between 2 and 10 wt %.

New Biodegradable Polymer

The Coathylene® portfolio has been extended with a new 100 % biodegradable polymer based on Polylactic Acid (PLA). This powder combines the advantages of an environmentally friendly formulation with the enhanced hardness of the PLA.

Easy to use

- Reduced application times: add by stirring into the liquid paint, no additional process is necessary
- Easy & even dispersion
- The finished paint is easy to apply using standard equipment
- Inert: no modification or reaction to the paint formulation

Product features

- Wide choice of structured effects
- Excellent anti-slip or structured effect thanks to the Coathylene® particles "floating" on the paint surface
- Excellent visual aspect thanks to the even distribution over the surface
- Significant reduction of glare from reflected sunlight
- Hides any surface imperfections on the coated object

Mechanical benefits

- Excellent abrasion and scratch resistance
- Significantly improved impact resistance
- No chipping

Coathylene® Polymer Powders

Powder Additives for paint and varnishes
Texturing - Matting - Anti-slip agents.

Product Portfolio

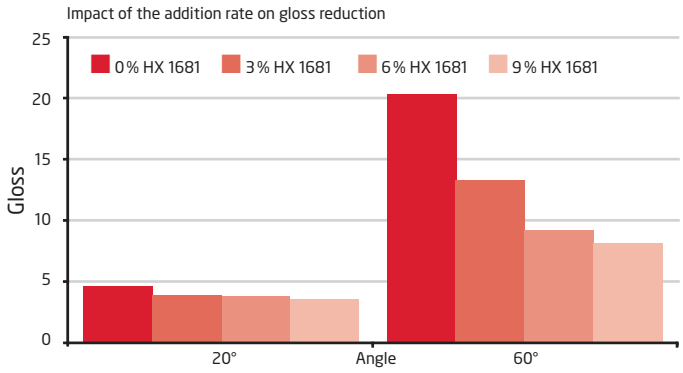
Grade	Polymer	Melting Point (°C)	Particle Size (µm) max.	Particle Size (µm) X50	Main applications
Coathylene® HX 1681	LDPE	105	35	10-15	textured paint, matt & satin finish
Coathylene® HA 1681	LDPE	105	75	12-22	textured paint, matt & satin finish
Coathylene® NB 6454-F	HDPE	131	90	40-60	textured paint
Coathylene® PC 0580	PP	165	90	55 -75	textured paint
Coathylene® GC 2561	PLA	170	90	60-80	textured paint
Coathylene® NC 6454-F	HDPE	131	125	60-90	textured paint
Coathylene® PD 0580	PP	165	150	80-120	textured paint
Coathylene® NY6454-F	HDPE	131	200	90-140	textured paint
Coathylene® PL 0580	PP	165	315	190-230	Industrial epoxy flooring, road marking paint
Coathylene® GL 2561	PLA	170	315	180-270	textured paint, Anti-slip
Coathylene® NM 6454	HDPE	131	400	200-250	Industrial epoxy flooring, road marking paint

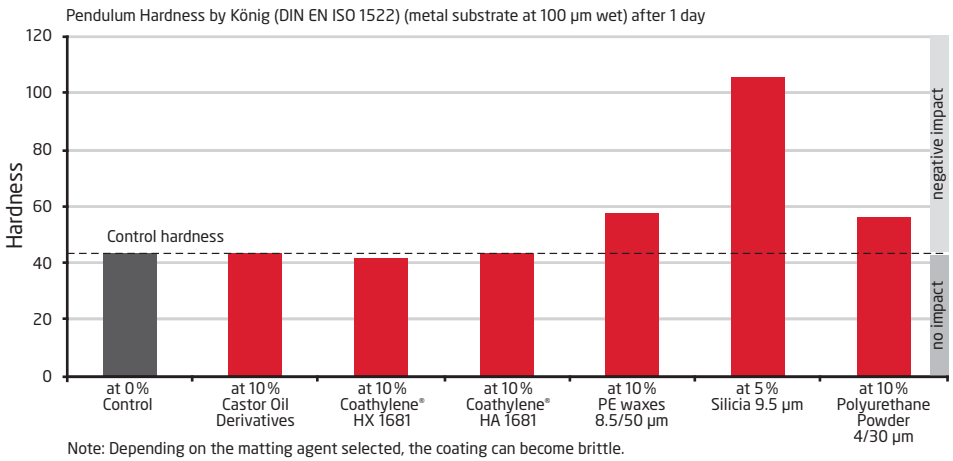
Matting

Ultrafine Coathylene® powders, with maximum particle sizes below 35 µm, are recommended as matting agents for solvent and non-solvent based coatings, paint and varnishes. They can be used in wood coatings, parquet lacquers, plastic coatings, coil coatings etc.

Benefits

- Special touch
- Uniform appearance
- Increased surface hardness
- Scratch resistance
- No alteration to the coatings flexibility
- Customized effects achieved by blending different grades

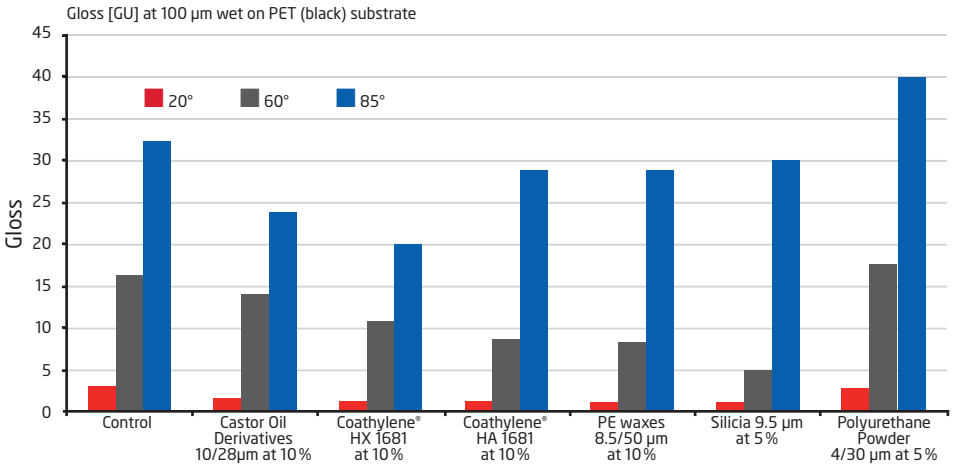




Note: Depending on the matting agent selected, the coating can become brittle.

Coathylene® Polymer Powders

Powder Additives for paint and varnishes
Texturing - Matting - Anti-slip agents.



Coathylene powders are effective and do not alter the mechanical properties of the coating.

Texturing

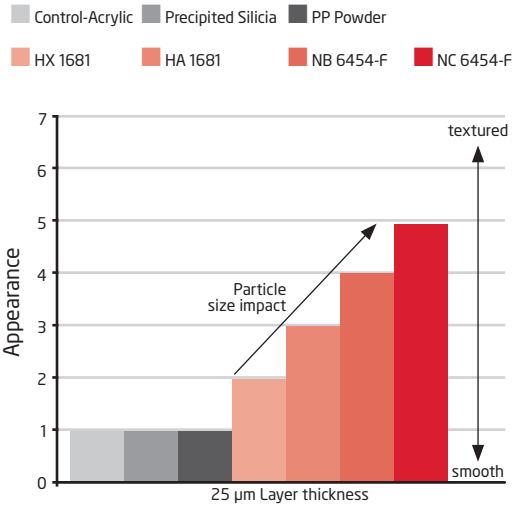
Coathylene® fine powders are used as texturing agents in furniture and industrial coatings.

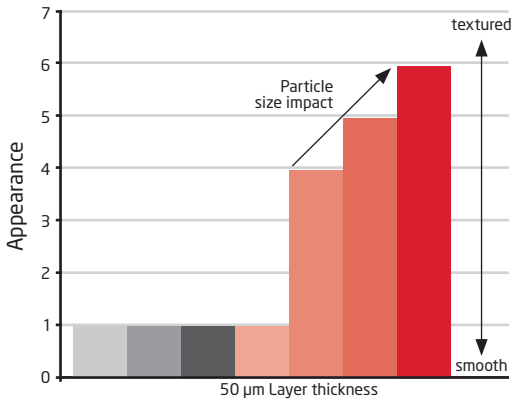
Easy to use:

- Coathylene® powder is simply added to the paint then dispersed with normal mixing, or added directly onto the coating. No special mixing or application equipment is required
- Coathylene® is dispersible in water as well as in several solvents: Xylene, N-Butanol, N-Butyl Acetate, Water, and resins, Polyurethane, Epoxy, Alkyd Melamine for example

Benefits:

- Effective and economical: with a density lower than 1, the powder "floats" to the paint surface. Less additive is consumed for an improved effect
- Fine, uniform texturing effect





Coathylene® Polymer Powders

Powder Additives for paint and varnishes
Texturing - Matting - Anti-slip agents.

Anti-slip

Coathylene® Powder additives are used as anti-slip agents in premium coatings, as an alternative to sand and other mineral fillers.

Application examples

- Yacht and ship decking
- Industrial flooring
- Road marking
- Coatings for military equipment

Benefits

- Appealing, uniform surface appearance
- Added directly into the coating, no second step is necessary

Voice of the Customer

"Coathylene® is an additive, which is quite simple to use. It can be mixed directly into the paint, it will not need be sprinkled anymore and consequently saves one step in the application process.
It generates less traces and leaves the floor easier to clean, it's less abrasive and damaging to cleaning equipment than silica.
It provides additional safety in childrenss playgrounds: because Coathylene® is less abrasive than silica, children are hurt less if they fall."