



## synres-almoco bv

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## PiMC 1841 Metallic colours

Adding metallic effect pigments to powder coatings gave rise to several application problems such as "spitting". Synres-Almoco's Metallic PiMC 1841 ensures easy processing and homogeneous surface quality.

The PiMC 1841-series consists of some very appealing Aluminum, Bronze, Gold, Black and White metallic effect colours.

Applications for metallic colours can be found in:

- Sanitary products
- Household appliances
- Electrical- and automotive parts.

Powder properties		Unit	Test method	Typical value
Particle size distribution Malvern method	D 0.1	µm	SATP-114	10 – 25
	D 0.5	µm	SATP-114	50 – 75
	D 0.9	µm	SATP-114	100 – 175
Brabender cycle time	150 °C	s	SATP-104	75 – 115
Powder stability	30 °C	h	SATP-128	> 8
Storage temperature		°C	-	< 20
Shelf life		Month	-	6
Density		kg/ltr	-	1.3 – 1.5
Bulk density		kg/ltr	-	0.6 – 0.7

Coating properties		Unit	Test method	Typical value
Gloss	20 °	%	-	50
	60 °	%	-	75
	85 °	%	-	90
Scratch resistance		N	DIN 53799	> 2
Taber abrasion S42 paper; 500 grams	500 turns	g	DIN 53799	< 0.5
Falling ball impact	125 cm	Visual	DIN 53799	No damage
Water vapor resistance		Visual	DIN 53799	No changes
Chemical resistance	Acid	Visual	ISO 175	Good
	Alkaline	Visual	ISO 175	Moderate
	Solvent	Visual	ISO 175	Good

SATP = Synres Almoco Testing Procedure (details available on request)

All statements herein are expressions of opinion, which we believe to be accurate and reliable, but are presented without guarantee or responsibility on our part, nor freedom from any patent to be inferred.

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