



Plastorit®

The 3-component mineral

Mica:

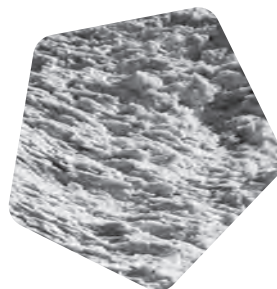
- Elastic lamellar structure
- UV-reflecting
- High temperature resistant
- Hardness: 2

Chlorite:

- Lamellar structure
- Hydrophobic
- High temperature resistant
- Hardness: 2

Quartz:

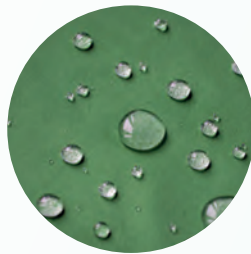
- Blocky particle shape
- Easy dispersion
- High temperature resistant
- Hardness: 7



Plastorit®

The 3-component mineral

The key difference:
A natural coalescence of lamellar minerals



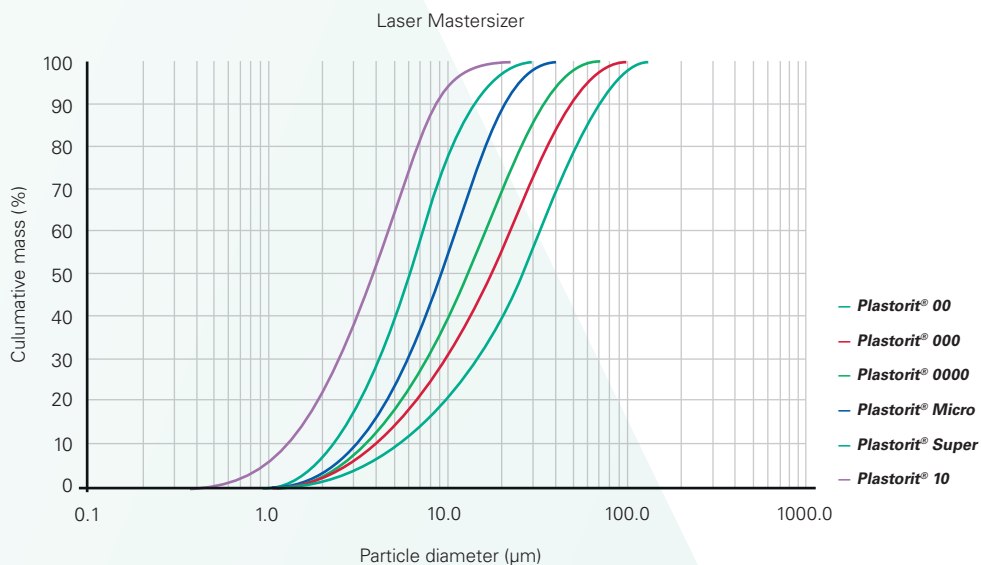
Chemical and physical data

SiO ₂ 58.0%	Al ₂ O ₃ 20%	MgO 12.0%	FeO 3.0%	K ₂ O 2.0%
Loss on ignition	(%) (1050°C, 1h)			4.5
Moisture	(%) (DIN ISO 787/2)			max 0.5
Density	(kg/cm ³) (DIN ISO 787/10)			2.78
pH value	(%) (DIN ISO 787/9)			9.5
Acid solubility	(%) (HCL 1%, 20°, 20 min)			1.5





Particle size distribution



Sieve analysis residue in % on (DIN 66 165)

	Plastorit® grades								
	0.5	0.25	0	00	000	0000	Micro	Super	10
1000									
500	2								
250	63	2							
125	98	24	2						
80		52	6	2					
50		72	19		2				
30		85	40			2			
20		90	61				2		
12			83					2	< 2



Brightness FMY (DIN 5033) FMY/C1			78.5	79.5	80.5	82.0	83.0	84.0	84.0
Tapped bulk density (DIN ISO 787/11) kg/dm ³	–	–	1.15	1.10	1.00	0.90	0.90	0.80	0.75
Loose bulk density (EN 109713) kg/dm ³	0.90	1.00	0.85	0.80	0.70	0.65	0.60	0.60	0.53
Oil absorption (DIN ISO 787/5) ml/100g	–	–	26	27	28	29	31	33	34
Specific surface Blaine 10	–	–	6300	7300	8500	10000	12000	15000	18000

Now compliant with EC eco-labelling criteria

These data are average values obtained from the statistical processing of production controls. They are offered in good faith but are not to be considered as binding and do not exempt the user from controlling the product upon delivery. We reserve the right to modify the manufacturing process of this product. This edition annuls and replaces all previous editions of this document.

Plastorit®

The 3-component mineral



- Weather resistance
- Surface hardness
- Abrasion resistance
- Wash and scrub resistance
- Elasticity
- Adhesion
- Application



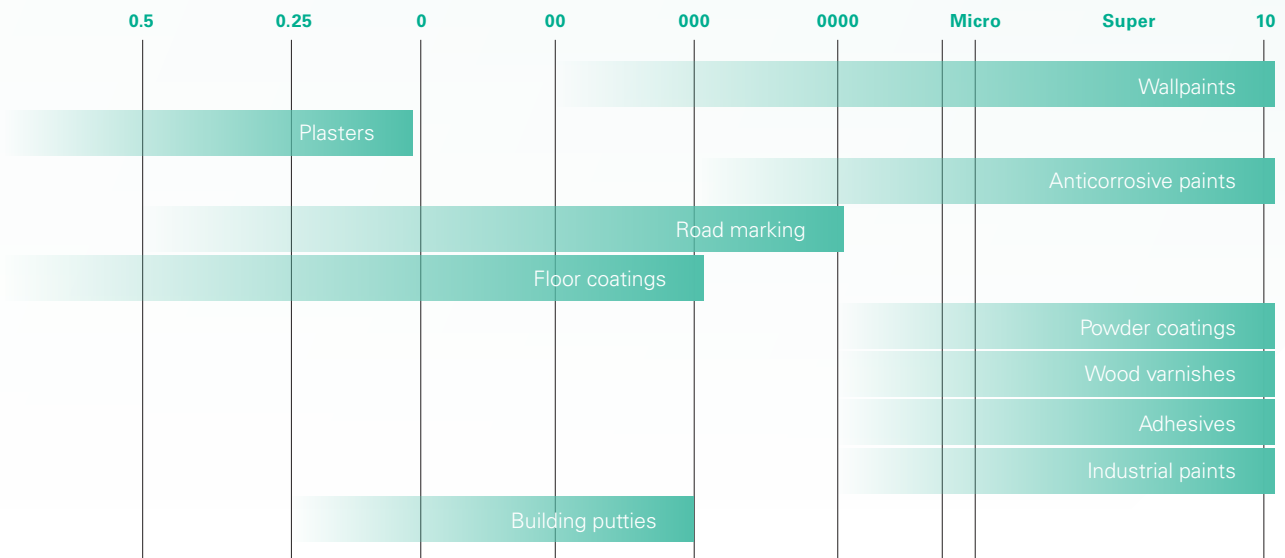
- Film cracking
- Hard sedimentation
- Chalking of deep colour paints



- Inert behaviour
- Lamellar structure
- Dispersibility
- Low structure viscosity
- Low resin demand



Plastorit® grades



For more information:

coatings.EMEA@imerys.com imerys.com +33 5 61 50 20 20
43 Quai de Grenelle, 75015 Paris, France



IMERYS