

Dedicated marketing material:

- MRK-005-0337



Marchi di qualità registrati di Decoral System®



### DECORAL SYSTEM SRL

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# TECHNICAL TOOLS

Laboratory Tests and Technical Documentation



## DEEPMATT-XXX SERIES

Low gloss powder coatings



Information:

1. Product features
2. Technical information
3. Variants and special formulations
4. Sublimation
5. Possible usage and applications

MRK-012-0059rev3

**1. Product features**

The powders of the *Deepmatt* series are characterized by a high opacity, with gloss values lower than 5. These powders feature a gloss much lower than common matt powders, for which the gloss is generally 19±5.



**2. Technical information**

- Technical data

Powder type	Polyurethane
Class resistance	Class 1 (suitable for outdoor use)
Yield (in surface/mass)	13,1 m <sup>2</sup> /Kg
Specific weight	1,27 ± 0,03 g/cm <sup>3</sup>

- Application and curing cycle

Available for corona charging.

Curing time and temperature: 20 minutes at 200°C – 390°F (metal temperature).

Reccomended thickness: 60 microns – yield 13.1 m<sup>2</sup>/Kg,

70 microns – yield 11.2 m<sup>2</sup>/Kg,

80 microns – yield 9.8 m<sup>2</sup>/Kg.

- Mechanical properties

Test	Standard reference	Result
Buchholz hardness	ISO 2815	ok
Cross-cut	ISO 2409	no loss of adhesion; ok
Bending	ISO 1519	no loss of adhesion; ok
Salt spray	ISO 9227	corrosion <4 mm; ok

**3. Variants and special formulations**

On customer's request, the following special formulations are available:

- Metallic effects;
- Bonded;
- Suitable for heat-transfer decoration;
- Class 2 (more resistance and durability): code *Deepmatt-XXXS*;
- Low-cure (lower curing temperature and/or time): code *Deepmatt-1XXX*;
- Class 2 low-cure: code *Deepmatt-1XXXS*.

**4. Sublimation**

Heat-transfer technology allows to make the surface of these powders even more characteristic, by matching the colors of these series with the available decors of the heat-transfer films.



Deepmatt-008 + 1413/03



Deepmatt-001 + 2901/07

**5. Possible usage**

The low gloss of this series of powders and the way they reflect the light is unachievable with another class of products. This is why the use of the *Deepmatt* powders will certainly result in something outstanding and special.



Car rim



Mechanical pieces for military use