

Dedicated marketing material:

- MRK-005-0044R2



- MRK-005-0117



- MRK-005-0043R2



- MRK-005-0019R4



Marchi di qualità registrati di Decoral System®



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# TECHNICAL TOOLS

Laboratory Tests and Technical Documentation

MRK-012-0088

**8C-XXX-A001 SERIES  
(DS 4XX)**

Matt powder-coatings



*Information:*

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

## 1. Product features

The powders of the 8C-XXX-A001 series (previous code: *DS 4XX*) are characterized by a smooth matt surface (gloss 19±5).

A large variety of colours is available for this series, and they are valorised at their best when decorated with heat-transfer technology.



Some applications: flat surfaces and tridimensional objects decorated with wood effects through heat-transfer technology

## 2. Technical information

### - Technical data

Powder type	Polyurethane
Class resistance	Class 1
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 or disco application.

Curing time and temperature: 20 minutes at 200°C – 392°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

Several variants for this series are available. It is possible to produce it:

- Superdurable (class 2);
- Antimicrobial;
- Low-cure (20 minutes at 190°C – 374°F);
- For bending;
- Different gloss and pigmentation.

## 4. Sublimation

Heat-transfer technology allows to expand the number of decorative solutions: by matching the decors of heat-transfer films with the powder coating bases we can both reach highly realistic wood effects as well as original and striking solutions.



DS 479 base and DS 479 decorated with heat-transfer film 1406/01

## 5. Possible usage

The powders of the 8C-XXX-A001 series represent a perfect solution for the imitation of smooth matt wooden surfaces, but they can also give a fine effect of light for many others of the countless existing decors.

