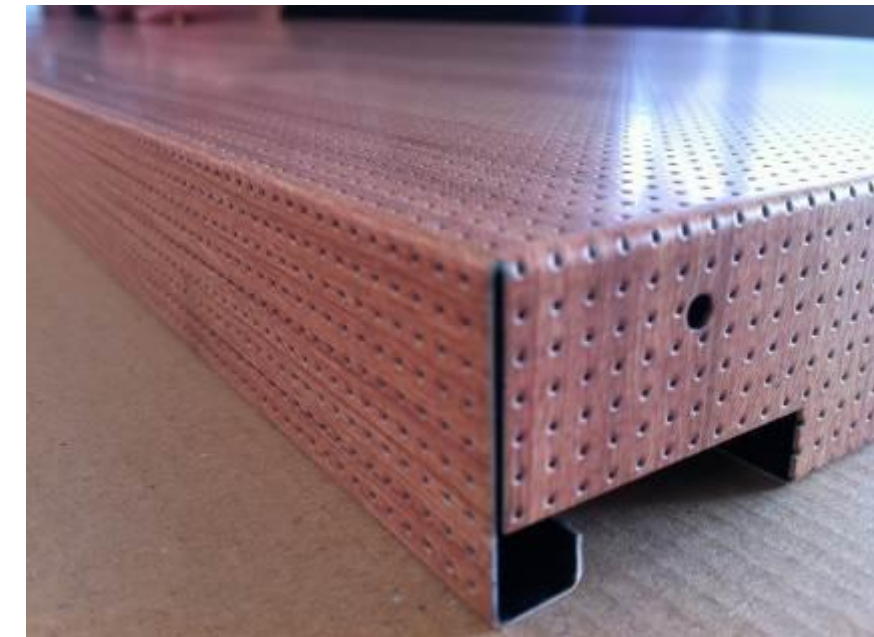


**3C-XXX-A015 (PS-06XXP3)
SERIES**

Bendable powder coatings
with special mechanical properties,
for heat-transfer process



Information:

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



Marchi di qualità registrati di **Decoral System®**



DECORAL SYSTEM SRL

Viale del Lavoro, 5 - Arcole 37040 (Verona) ITALY - Tel. +39 045 7639111 - Fax +39 045 7639100
Email: info@decoral-system.com - Website: www.decoral-system.com

TECHNICAL TOOLS

Laboratory Tests and Technical Documentation

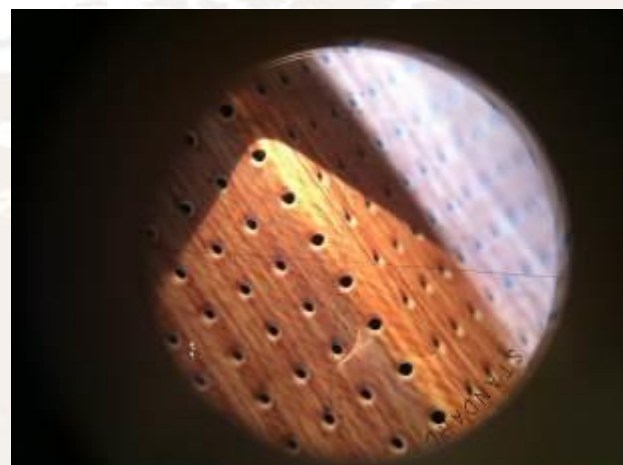
POWDERS FOR POST-CROSSLINKING BENDING

Sublimatic powders with special mechanical properties

1. Product features

The main feature of the 3C-XXX-A015 series (previous code: PS-06XXP3) is the possibility to be bent after the crosslinking and after sublimatic decoration, without showing defects.

These products have a smooth matt aspect (gloss 19±5) and they are all suitable to decoration with heat-transfer technology.



Enlargement of the edge: surface bent after the crosslinking

2. Technical Information

- Technical datas

| | |
|-------------------------|-------------------------------|
| Powder type | Polyester |
| Class resistance | Only for indoor use |
| Yield (in surface/mass) | 13,1 m ² /Kg |
| Specific weight | 1,27 ± 0,03 g/cm ³ |

- Application and curing cycle

Available for corona charging.

Treatment: 15 minutes at 190°C (metal temperature).

Reccomended thickness: 60 microns – yield 13.1 m²/Kg,

70 microns – yield 11.2 m²/Kg,

80 microns – yield 9.8 m²/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, it is possible to produce the powders of this series also in antimicrobial version: this special formulation perfectly suits the application in places such as hospitals, schools, kitchens, and all those environments where hygiene is mostly important.

4. Product Application



Powder spraying



Metal sheet decoration with industrial implant



Bending of metal sheets after decoration



Finished product

5. Possible usage

The special mechanical features of the 3C-XXX-A015 (PS-06XXP3) series are most valued in the manufacturing of ceilings, doors, furnishings, and all those workings where post-decoration bending can result in a facilitation of the production process.



Ceiling of the Dubai underground station