



PULVERCOAT

by PULVERIT

Thermosetting powder coatings cure between 180°C-200°C and need beyond 20 minutes curing depending on the resin and cross linker used. A major challenge for powder coating manufacturers is to offer their customers more energy-efficient products. PulverCoat® is a new generation of advanced thermosetting powder coatings that polymerize at lower temperature (110°C-130°C) with a reaction mechanism 10 times faster than common powder coatings, enabling curing to take place in just 3-5 minutes.



The use of PulverCoat® will therefore significantly improve the energetic yield of the application process, representing a total energy saving between 40 – 70% depending on the dimension of the painted part and, consequently, reducing the financial and environmental impact of this operation.

THE SOLUTION

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3 min. @ 120°C

- energy saving
- shorter production cycle

Pulvercoat allows to achieve:

- UV resistance comparable with Qualicoat class 2
- Chemical resistance comparable with polyurethane
- Scratch resistance and hardness not comparable with existing system

VS
standard powder coating

20 min. @ 150/180°C



Additional advantages:

- this low curing temperature range enables its use for coating heat sensitive substrates, like wood and plastic
- improved, outstanding resistance to UV radiation (50% better than common polyesters)
- excellent anti-graffiti properties thanks to its dense net of amino bonds grants.

For more information, please visit:

www.pulvercoat.eu

www.pulvercoat.com

www.pulvercoat.it

www.steelconstruct.com/eu-projects/pulvercoat/

www.pulverit.it

FAST CURING COMPETITORS

	HYBRID	PE	PULVERCOAT
TEMPERATURE	140°C	150°C	120°C
TIME	20 min	30 min	3 min
SCRATCH RES.	standard		+ 20%
ANTIGRAFFITI	NO		YES



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