

Alesta® HR

Heat Resistant powder coatings

Product Information Bulletin
02/2020

Alesta® HR Heat Resistant is a range of powder coatings specially developed to protect surfaces exposed to extreme high temperatures, up to 550°C.

Axalta's Research & Development department investigated and supported the development of a new range of powder coatings, that end-users recognized as a benefit to extend the service life of the products.

Alesta® HR Heat Resistant is recommended for markets with metallic parts exposed to a prolonged or cyclic heat-up as:

- Lighting fixtures
- Wood and pellet burning stoves
- Fireplace inserts
- Barbecues
- Boilers
- Any other item exposed to extreme high temperatures (300 to 500°C)

Alesta® HR provides a good gloss and colour stability during heat exposure and avoid cracking or delamination with an appropriate surface preparation.

Alesta® HR should be sprayed at low film thickness which support low consumption compared to standard powder coating (30/50 microns).

A mechanical preparation of the substrate is required to ensure a robust adhesion during heat exposure. For information about substrate preparation, please consult your local Axalta representative.



A special range of products with excellent heat resistance properties has been formulated. A selection of special finishes is on stock and other upon request. Finish with trendy appearance, specially matt and Fine Textured.

Highlights

- Recommended for markets with metallic parts submitted to prolonged heat (300 to 500°C)
- Good adhesion
- No cracking or delamination
- Good gloss and colour stability
- Low coating consumption
- Standard equipment needed for application

Code	Name	Colour	Finish
HR00044059021	HR Black Mat	Black	Smooth
HR03004109621	HR Black Mat Givré	Black	Textured
HR00244110421	HR Black Mat Metal	Black	Smooth Metallic
HR30004021327	HR LV SSB 6025	Black	Smooth
HR03014051027	HR Black WBX20KG	Black	Textured