

## Technical Data Sheet

# Alesta® HR

## HR00044059021



### Product Description

Alesta® HR is a heat resistant powder coating, based on epoxy and silicon resins.

It offers an excellent resistance to high temperature (until 550°C) without deterioration of the film.

### Approvals

This powder coating complies with the European Directives "Restriction of the use of certain hazardous substances" 2002/95/EC and 2011/65/EU (RoHS).

### Substrates

Steel, cast iron

End use: Exhaust, Pipes, Barbecues

For specific applications please contact us.

Packaging : 15 or 20kg in plastic bag and cardboard box

### Substrate Preparation

On steel: mechanical preparation is required: shot blasted steel (slight and homogeneous roughness).

### Physical Properties

|                  |      |
|------------------|------|
| Specific Gravity | 1.66 |
|------------------|------|

Version 27/10/2023

## Technical Data Sheet

# Alesta<sup>®</sup> HR

## HR00044059021



The following performances have been obtained under the conditions described below and in laboratory. Actual product properties such as gloss, colour and finish may vary according to condition of application.

| Product Performance / Film Properties |                       |       |                |  |
|---------------------------------------|-----------------------|-------|----------------|--|
| CONDITIONS                            |                       |       |                |  |
| Steel panels:                         | 0.8 mm                |       |                |  |
| Surface pretreatment                  | Shot blasted steel    |       |                |  |
| Film thickness                        | 45 µm +/- 10          |       |                |  |
| Curing Conditions                     | 7' à 230°C (T° objet) |       |                |  |
| TESTS                                 | SPECIFICATIONS        |       | GLOSS          |  |
|                                       | N°                    | DATES |                |  |
| Gloss @ 60°                           | EN ISO 2813           | 1999  | 3 – 7 unités   |  |
| Impact resistance                     | EN ISO 6272           | 2004  | ≥ 1 kg / 30 cm |  |

### Baking Window

#### General curing conditions :

- **Object t° / time**  
7 min @ 230°C  
10 min @ 210°C  
17 min @ 200°C

### Application

- Do not mix this product with another powder.
- Substrate should be correctly cleaned before use.
- Spraying can be done using either manual or automatic electrostatic CORONA guns.
- Many of our products can be applied using the TRIBO electric process. (please contact us for specific product advice)
- Film thickness: the required application settings will depend upon the geometry of the object being coated as well as the specified film thickness. It is the responsibility of the applicator to make the appropriate adjustments.

### Comments

- Certain chemicals or domestic cleaning products can cause damage to the appearance of the coating. Please test a small inconspicuous area first to confirm suitability.
- Recycling of the powder: possible up to 30 % with the exception of some metallic and pearlescent products.
- Please contact us for specific questions.

Version 27/10/2023

## Technical Data Sheet

# Alesta<sup>®</sup> HR

## HR00044059021



### Storage Stability

6 months @ max 30°C

### Safety

Consult the Safety Data Sheet prior to use product

*The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.*

Copyright 2023, Axalta Coating Systems, LLC and all affiliates. The Axalta logo, Axalta™, Axalta Coating Systems™ and all products denoted with ™ or ® are trademarks or registered trademarks of Axalta Coating Systems, LLC and its affiliates. Axalta trademarks may not be used in connection with any product or service that is not an Axalta product or service.

Version 27/10/2023