

# Technical Data Sheet

49901 - LBS3-60003 - FEVE MATTE BLACK

Trade code: 49901  
SWH Code: LBS360003

## GENERAL FEATURES

POWDURA® 5000 Superior Performance Architectural Powder Coatings are recommended for a broad range of architectural applications. They incorporate Fluorocarbon resin technology with Solar Reflective pigments and are designed to meet the requirements of AAMA 2605.

Advantages:

Superior exterior color and gloss retention

Single coat application

Superior abrasion resistance

Proven in field experience

Formulary of colors readily available

## APPLICATION

Due to its special content the product is particularly suggested for exterior coating.

## ADVISED CYCLES

Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface preparation treatments to ensure optimum adhesion and coating performance properties. The use of a chemical conversion coating prior to the application of a powder coating is strongly recommended.

Aluminum: A minimum of a 5-stage metal cleaning and pretreatment system, or equivalent (e.g. NABUTAN 310), is recommended for good adhesion and optimum coating performance properties. If AAMA 2605 performance is required, the AAMA 2605 pretreatment guidelines must be followed.

## HANDLING AND STORAGE

Powdura® Powder Coatings should be kept in a dry and cool area at temperatures below 27° C. When not in use, store powder in sealed containers: fine powders are hygroscopic. Storage life in original package: 12 months.

## TECHNICAL DATA

Code	Int. Method	Range	Ref. Method
P/CL092	Calc. specific gravity(kg/l):	1.483 - 1.543	
P/CL120	Non volatile content(w/w)(%) 3h at 105 °C	100.0 - 100.0	UNI EN ISO 3251
P/CL125	Non volatile content(v/v)(%)	100.0 - 100.0	
P/CL143	1µm Theor. spread.rate (m2/kg):	648 - 674	
P/CL210	Water content (%)	0.0 - 0.0	
P/CS010	Dry film thickness(microns):	50 - 76	UNI ISO 2178
P/CC050	Gloss 60° :	35.0 - 45.0	UNI EN ISO 2813:2014

## WAYS OF APPLICATION

It is advised to apply the product in layers with the thickness of 50-80 microns and to stove at 205°C for 10 minutes (temperature of the support).

## TECHNOLOGICAL FEATURES AND RESISTANCE TESTS

Adhesion (ASTM D-3359)	minimum 4B
Direct Impact Resistance	>3mm of deformation with no loss of adhesion
Acid Resistance (ASTM D3260)	Muriatic Acid 10% for 15min: No effect
Alkali Resistance (ASTM D3260)	Mortar Resistance for 24hr: No Effect
Detergent Resistance (ASTM D2248)	3% Immersion @ 38°C for 72 hrs: No effect

Rev. Date 3/12/2020 Page n. 1 of 2

### INVER SpA con Unico Socio

Via di Corticella, 205 - 40128 Bologna (BO) - ITALY  
Manufacturing and R&D Labs: Via Marconi 10/A - 40061 Minerbio (BO) ITALY  
Ph. +39 051 638 0411 - www.inver.com - inver@sherwin.com  
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Humidity (ASTM D-4585)	Pass 4000 hours
SaltSpray (ASTM G85 Annex A5)	Pass 2000 hours

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Florida 45° South (10 years exposure):

Color: <5 deltaE

Chalk: Max 8 only on colors

Chalk: Max 6 rating on whites

Gloss: >50% Retention

### NOTES

Product Limitations:

The range of color availability will depend on exposure requirements and Architect's specification.

Above 90 micron total dry film thickness mechanical properties will decline.

While these coatings have been formulated with the intent to meet requirements of AAMA 2605 complete testing regarding South Florida weathering does not exist for all colors.

### NOTE TO USER

The information contained in this document while based on evidence and reliable methods can not be considered exhaustive.

This information are current to the date of issuance of this data sheet, therefore is under user's responsibility to verify that the data provided on this sheet are current to the date of the product.

The user, under its own responsibility, shall respect all the existing provisions on hygiene and safety and shall verify every time the features and the specific and appropriate way to use the product, cause the respect of the provisions is not under producer's direct control.

The manufacturer does not guarantee nor assume any liability or responsibility for whatsoever harm that might result from a misuse of the product or for damages that have arisen after the product's distribution.