



TECHNICAL DATA SHEET - POWDERS COATINGS

POLITHERM 49 WF TF R SM GREY W RAL 7035 SM

CODE: 18952997

DESCRIPTION / USE: Durable TGIC free polyester powder coating with excellent adhesion and flexibility, good chemical resistance. Has high physical strength and excellent resistance to weathering. Additive for reduction in time and or curing temperature.
Complies with performance requirements for AAMA 2603

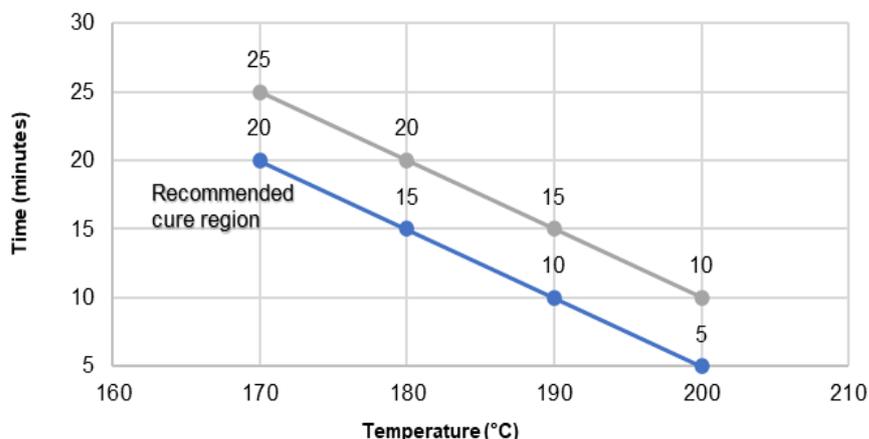
CHARACTERISTICS OF THE PRODUCT:

Resin:	Durable Polyester
Densidad:	1,46 ± 0,10 g/cm ³
Theoretical performance: (in thickness 60 µm)	11,10 m ² /Kg. Performance will depend on different factors such as product density, part geometry, surface applied, type of finish, thickness and application conditions.
Estabilidad:	12 months (max. 30°C)
Thickness :	50 - 70 µm
Additional information:	Free of heavy metals and other substances covered by the directive 2015/863 EU of 31/03/2015 (RoHS). *Application layer for mechanical and color testing

CHARACTERISTICS OF THE APPLICATION :

Substrate:	Ferrous and non-ferrous metals
Preparation of the surface :	Ferrous metals: phosphatization Ferrous metals: chromate o phosphatization**
Method of application :	Electrostatic corona gun
Conditions for the cure:	5 minutes to 200 °C***

*** We have a portfolio that offers different curing cycles that are adapted to the production processes of the industries we serve



*** 20 to 25 minutes at 170°C
*** 15 to 20 minutes at 180°C
*** 10 to 15 minutes at 190°C
*** 05 to 10 minutes at 200°C

WEG TINTAS

e-mail: tintas@weg.net - www.weg.net/tintas - Phone: (+55) 47 3276-4000

Revision: 00

Date: 30/09/25



CHARACTERISTICS OF THE PRODUCT APPLIED :

TEST	STANDARD	SPECIFICATION
ADHERENCE	ASTM D 3359	: GR0
GLOSS	ASTM D 523	: 45 - 55 GU
IMPACT	ASTM 2794	: Minimum 50 Kg.cm
FLEXIBILIDAD	ASTM D 790 / ISO 178	: Maximum 3 mm

CHARACTERISTICS OF CHEMICAL RESISTANCE**:**

Salt Spray:	: Minimum 1000 h (ASTM B117 – 03)
Humidity:	: Minimum 1000 h (35°C)

** In case of phosphating of non-ferrous metals, consult our technical department.

*** Metal temperature.

**** In the chemical resistance tests, the substrate used was carried out on zinc phosphated galvanised steel panels .

Mechanical strength tests were performed on ordinary degreased steel sheet under the curing and coating conditions specific to the product.

Values may change according to the substrate used.

TRANSPORT AND STORAGE:

Non-hazardous coating, no special transport required.

Packing of 25 Kg in high density polyethylene bag in a carton box. The powder should be stored in closed containers, in cool, dry and covered places, at a temperature not exceeding 30°C.

NOTE:

The information contained in this data sheet is based on the experience and knowledge acquired in the field by the technical team of WEG COATINGS. The indications in this data sheet are intended to advise you. It reflects the results obtained in real controlled tests, but the commissioning and better use of our products remains the responsibility of the applicator.

IMPORTANT:

- For any need or use other than those indicated here in this sheet, please contact our technical team.