

Group	332 – Hybrid (Epoxy Polyester) Semigloss, Low Bake
Curing	min: 140°C @ 25' to 40'   max: 180°C @ 4' to 10'
Surface	Smooth satin finish
Brilliance	35 - 85 (60°)
Approvals	

## PRODUCT DESCRIPTION

This ultra low cure thermosetting powder with epoxy and polyester resins is designed for cure at 140°C.

The product forms a level hard film with good resistance to mechanical damage, detergents, fuels and oils.

The product has excellent protective and decorative effects.

Inverpul MP BT FAST is recommended for interior applications and can be used on heat sensitive components, heavy fabriactions or fast line speed tracks to maximise throughput. Alternatively the oven temperature can be reduced to lower energy usage and costs.

### **Storage Life:**

Store at temperatures lower than 30°C;  
Storage life in original package: 18 months.

## CHARACTERISTICS

**Spec. Gravity (kg/l):** 1,40 – 1,88  
**DFT (micron):** 60 - 80  
**Theoretical Coverage @60um:** 11 m<sup>2</sup>/kg

**Recommended film thickness:**  
Dry: 60 - 80 µm

## APPLICATION

Suitable for automatic and manual electrostatic application  
Please contact your Sherwin-Williams representative to discuss tribo-static application

### **Curing cycle**

Time	Substrate temperature
4 - 10 min	180°C
7 - 15 min	170°C
11 - 20 min	160°C
20 - 30 min	150°C
25 - 40 min	140°C

For stoving use the given indications.

## SUBSTRATE PREPARATION

The surface to be coated must be free from oil, grease and flash rust.  
A good quality pre-treatment process if recommend for optimum performance.

**Aluminum:** chromate, phospho-chromate conversion (DIN 50939) or other Cr-free pretreatment

**Steel:** sand blasting or/and iron or zinc phosphatizing or nano-ceramic pretreatments

**Galvanized steel:** chromate (DIN 50939), phosphate or Cr-free pretreatment

**PERFORMANCE DATA**

A 60um coating applied to a test panel steel (UNI sheet) cured 15 minutes at 160°C satisfied the following requirements:

**Gloss 60° :**

35 - 85

UNI EN ISO 2813:2014

**Buchholz indentation test:**

more than 90

UNI EN ISO 2815

**Pendulum-rocker hardness :**

Persozpendulum

more than 300

UNI EN ISO 1522

**Erichsen cupping test (mm):**

more than 3

UNI EN ISO 1520

**Direct impact test (cm.Kg):**

more than 20

ASTM D 2794; ISO 6272-2:2002

**Reverse impact test(cm.kg):**

more than 5

ASTM D 2794; ISO 6272-2:2002

**Conical mandrel : Bend test**

Maximum 10mm

UNI EN ISO 6860

**Crosscut adhesion (2mm) (GT):**

Class 0

UNI EN ISO 2409

**Salt fog test :**

1000 hours

Scribe creep 3-6 mm

UNI ISO 9227

**Resistance to humidity:**

(Humidity test) 500 hours

no change

UNI EN ISO 6270-2:2005

**CAUTION****FOR INDUSTRIAL SHOP APPLICATION**

Thoroughly review product label and Safety Data Sheet (SDS) prior to using this product.

A Safety Data Sheet is available from your local Sherwin-Williams facility or distributor

**Note:** Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the user obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in user handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.