

# Technical Data Sheet

## 87130 - EPOXY PRIMER FZ GREY 7042

Trade code: 87130  
SWH Code: EAS9E0001

### GENERAL FEATURES

Thermosetting powder with epoxy resins cured with a fit hardener, containing special anticorrosive pigments based on zinc phosphates.  
The product forms a level hard film with good resistance to chemical agents, fuels, oils and mechanical damage.

### APPLICATION

The product is used for anticorrosive protection of metal structures in general.

### ADVISED CYCLES

Apply mainly on sand blasted to the SA 2½-3 grade supports, like a primer (thickness 50-70 Micron) before further coating with Inverpul Polyester, Epoxypolyester or Polyurethanic powder and 2K liquid enamel like Inverplast and Inverpur.

However the surface to be coated must be cleaned from oils, grease or flash rust.

This primer powder can not be used as topcoat on single coat system.

It's advised not to applicate this primer as first layer under 1K wet paints.

### HANDLING AND STORAGE

Store at temperatures from 5°C and lower than 30°C with max 60%RH; higher temperatures and humidity may damage the product by causing undesired alterations or blobs.

Storage life in original package: 18 months.

### TECHNICAL DATA

Code	Int. Method	Range	Ref. Method
P/CL092	Calc.specific gravity(kg/l):	1.423 - 1.481	
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):	675 - 703	
P/CL210	Water content (%) :	0.0 - 0.0	
P/CC050	Gloss 60° :	88.0 - 100.0	UNI EN ISO 2813:2014

### WAYS OF APPLICATION

Apply the Inverpul epoxy primer FZ with automatic or manual guns with negative terminal (60/80KV), or with triboelectric guns.

It is advised to apply in layers with the thickness of 50-70 microns and to stove at 180°C for 15 minutes.

### TECHNOLOGICAL FEATURES AND RESISTANCE TESTS

The support used	Sand blasted steel Sa 2½ grade
Thickness	60 microns
Stoving	15 minutes at 180°C

The hardness test was carried out on sand blasted steel Sa 2½ after overpainting with 60-80 Micron of Inverpul Polyester Extra.

Code	Int. Method	Range	Ref. Method
P/CM040	Erichsen cupping test (mm):	00	UNI EN ISO 1520
P/CM050	Direct impact test (cm.Kg):	00	ASTM D 2794; ISO 6272-2:2002
P/CM051	Reverse impact test(cm.kg):	00	ASTM D 2794; ISO 6272-2:2002
P/CM095	Crosscut adhesion (1mm)(GT):	00	UNI EN ISO 2409
P/CM190	Salt fog test :	less than	UNI ISO 9227
P/CM230	Resistance to humidity : (Humidity test)	less than	UNI EN ISO 6270-2:2005

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#### INVER SpA con Unico Socio

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### NOTES

Be careful if a gas oven with direct flame is used to cure the primer, an adhesion test from the top coat to the primer must be performed, as nitrogen oxides could affect negatively the result.

### 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.