

## IBAPURE

# Technical Data Sheet

### Description

**IBAPURE** powder coatings are a very fast curing, thermosetting **FP60 blue** powder coatings based on especially selected epoxy resins and hardeners and formulated in order to meet the requirements of BS 6920 for use with potable cold water and hot water up to 85 °C.

### Characteristics

One coat finishes  
Less waste and pollution to the environment  
Suitable hot melt adhesives with optimal adhesion  
Exceptionally fast cure  
Low energy requirement for application  
Exceptionally tough film  
Excellent corrosion resistance  
For potable water fittings (only blue colour) WRAS approval number: 0706529  
Application at high rate as it is highly reactive  
Blue color

### Applications

Drinking water pipeline  
Industrial valves

### Product Properties

<b>UV Resistance</b>	Not recommended for exterior use. However, the chalking phenomenon does not remove more than 2-3 microns of coating per year permanent exposure which does not affect the anticorrosion properties of the coating
<b>Color</b>	Blue
<b>Surface</b>	Gloss GL – Semigloss HR
<b>Specific gravity</b>	1.5-1.8 gr/cm <sup>3</sup> (low with dark colours, high with light colours)
<b>Shelf Life</b>	6 months (< 30°C and < 50% RH)

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## Application Data

<b>Application</b>	Corona (Can be applied by tribo guns if product code has "T" for the 6th character)
<b>Curing</b>	Be applied on preheated substrates (235 ±5 °C) and cure by residual heat
<b>Film Thickness</b>	60-80 µm for three layer system and 300-600µ for one layer system (recommended)
<b>Theoretical cons.</b>	8-10 m <sup>2</sup> /kg. Practical spreading rates will vary due to such factors as method and conditions of application, specific gravity, surface profile and texture.

## Coating Properties

Check for TDS of FP60 serie.

## Application Guide

Check for TDS of FP60 serie.

## Care and Maintenance

**WRAS approved powder coatings** area chemically resistant, hard wearing coatings, most often used in areas where aesthetics are not important. Unlike common decorative coatings, no formal cleaning program is required. However it is better to remove salts and other pollutant deposits where possible, and repair any exposed metal surfaces with appropriate repair kit.

## Health and Safety

The SDS is an integral part of using this product as it contains information on the potential health effect of exposure, personal protective equipment needed. It is recommended to contact to Sales and Customer Service Offices for further information.

## Precautions and Limitations

As a result of possible wide application variations and stoving conditions, **IBAPURE** powder coatings may show variation, between İBA Kimya Powder Coatings prepared samples and production applied material. Therefore, it is the applicator and/or their customer's responsibility to ensure the product conforms to their requirements. For optimum corrosion performance ensures recommended dry film thickness is obtained. Not recommended for exterior applications.

## Transport and Storage

<b>Packaging</b>	15-20 kgs. Heavy polyethylene bag in a corrugated carton
<b>Shipment</b>	Not dangerous goods. No special transport requirements.
<b>Storage Conditions</b>	Storage temperatures should be kept below 30°C and 50% relative humidity. Powder should be stored in closed containers. Since <b>IBAPURE</b> powder coatings is highly reactive, it is strongly recommended not to exceed 30°C storage temperature.

*DISCLAIMER: All the information given in this Data Sheet is the result of our research work experience. It is given in good faith and with every belief in its accuracy but cannot be considered as a formal warranty. In accordance with İBA KİMYA, policy of product development, this specification is subject to change without notice.*