İBA KİMYA SAN. ve TİC. A.Ş.
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Oğuz Caddesi No:22
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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

UV Resistance	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
Color	Blue
Surface	Gloss GL – Semigloss HR
Specific gravity	1.5-1.8 gr/cm3 (low with dark colours, high with light colours)
Shelf Life	6 months (< 30°C and < 50% RH)

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Application Data

Application	Corona (Can be applied by tribo guns if product code has "T" for the 6th character)
Curing	Be applied on preheated substrates (235 ±5 °C) and cure by residual heat
Film Thickness	60-80 µm for three layer system and 300-600µ for one layer system (recommended)
Theoretical cons.	8-10 m^2/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 iBA 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.

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Transport and Storage

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

DISCLAIMER: All the information provided in this data sheet depends on our knowledge and experience up to date and may be subject to revision as new technology and experience evolve. Since the conditions of application may vary depending on the substrate, physical conditions and other variables, users should conduct necessary tests to determine the conformity of the product for its intended use. We do not accept liability since the application, use and processing of the products take place beyond our control and supervision. Moreover, our liability for breach of warranty is exclusively limited to replacement of the product or refund of its price and we are not liable for incidental, indirect or consequential damages under any circumstances.