İBA KİMYA SAN. ve TİC. A.Ş.
1. Organize Sanayi Bölgesi
Oğuz Caddesi No:22
06930 Sincan / Ankara / Türkiye
Tel:+90312 267 09 83 Fax:+90312 267 09 87
www.iba.com.tr

IBAGLASS

Technical Data Sheet

Description

IBAGLASS is developed for glass surfaces with an excellent abrasion resistance. IBAGLASS powder coatings are available in all chemistry, like epoxy, epoxy polyester, polyester and polyurethane versions. In order to improve the adhesion of IBAGLASS, Primoglass primer is recommended.

Characteristics

Excellent surface appearance
Very good scratch and abrasion resistance
Homogeneous effect
Suitable for screen printing

Applications

Glass packaging
Decorative glass applications

Product Properties

UV Resistance	Very good UV resistance
Flow out	Very good
Surface	Gloss GL – Semigloss HR – Semimatt CS – Matt CM
Specific gravity	1.1-1.3 gr/cm3 (low with dark colours, high with light colours)
Shelf Life	12 months (< 30°C and < 50% RH)

Application Data

Application	Corona/Tribo (Can be applied by tribo guns if product code has "T" for the 6th character)
Curing	Check for TDS for the specific series.
Film Thickness	60-80 µm (recommended)
Theoretical cons.	10-14 m^2/kg. Practical spreading rates will vary due to such factors as method and conditions of application, specific gravity, surface profile and texture.
Attention!	This product has been specially developed for glass bottles. For these applications adhesion promoters are recommended before coating.

Coating Properties

Test results shown below are based on 0.5 mm steel with 60µ applied powder coatings.

Direct Impact	> 40 kgcm	(ISO 6272-2)
Reverse Impact	> 40 kgcm	(ISO 6272-2)
Buchholz Hardness	> 90	(ISO 2815)
Conical Mandrel	< 3 mm	(ISO 6860)
Cross Hatch Adhesion	Gt:0	(ISO 2409)

İBA KİMYA SAN. ve TİC. A.Ş.
1. Organize Sanayi Bölgesi
Oğuz Caddesi No:22
06930 Sincan / Ankara / Türkiye
Tel:+90312 267 09 83 Fax:+90312 267 09 87
www.iba.com.tr

IBAGLASS

Application Guide

Surface Preparation
All surfaces should be degreased for optimal performance.

Application Procedure and Equipment
IBAGLASS powder coatings charging properties are optimized when powder is free-flowing and moisture-free. Aged or compacted powder may require preconditioning for several minutes to fluidise evenly.
If storage room temperature is lower than the application area, powder coatings, which are hygroscopic, should be acclimated in unopened containers prior to adding into the spray hopper. For optimum performance, It should be applied and stored at air-conditioning area. Storage temperatures should be kept below 30 °C.
Powder should not be stored in hoppers for long periods of time. If moisture condensation occurs, fluidize powder to dry-out or replace moisture-laden powder with virgin powder.
Powder coatings are finely ground particulates. Respirators or dust masks should be used by workers exposed to powder in order to avoid dust inhalation.
Compressed air to the gun must be oil and moisture free.
Silicone should not be used in application area.
For box feeders, ensure probe is fully inserted in powder and operated as per manufacturer's recommendations.
Contact points should be maintained to ensure metal-to-metal ground.
Apply by electrostatic spray. Relative humidity should be 50-60% for corona system, lower than 40% for tribo system.
Cure as per recommendations outlined above.
Reclaim-to-virgin ratios should be carefully monitored to maintain spray consistency.
Sieving powder before adding to hopper eliminates potential clumping or foreign matter.

Care and Maintenance

IBAGLASS powder coatings should be regularly washed with warm water and mild liquid detergent, followed by a fresh water rinse to maintain the attractive appearance of the powder cured film. The use of abrasive cleaners is not recommended, nor is the use of active organic solvents.

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, IBAGLASS 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 performance ensures recommended dry film thickness is obtained.

İBA KİMYA SAN. ve TİC. A.Ş.
1. Organize Sanayi Bölgesi
Oğuz Caddesi No:22
06930 Sincan / Ankara / Türkiye
Tel:+90312 267 09 83 Fax:+90312 267 09 87
www.iba.com.tr

IBAGLASS

Transport and Storage

Packaging	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.

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.