

Product's description

Double-component, polyurethane, quick drying, glossy enamel.

Bicar is a modified polyurethane resins based product with weather proof pigmentation. It has got the following features: high and stable brightness, excellent weather proof power, non yellowing action. The product is particularly suitable for sea – heavy industrial environments. It has got a strong abrasion resistance, an excellent chemical resistance to fuel, mineral and vegetable oils. It is easy to clean with cleansing compounds and is easily maintained.

Practical advice

Suitable for primed surfaces of train wagons, tank trucks, trucks, buses, containers, lift trucks, agricultural and sports equipments, steel furniture, fibreglass refrigerating rooms, transformers, lighting poles, and for any surfaces requiring a high finish degree and mechanical chemical weather proof action.

Technical features

| | | |
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| Aspect | | Glossy |
| Color | | See RAL colour table |
| Density Kg/Lt | | 1,30 ± 0,05 |
| Viscosity 25°C | | 120 sec. ford 4 |
| Solid content by volume % | | 53 ± 2 % |
| Theoretical spreading rate gr/m ² | | 170 – 200 gr/m ² for 2 coat |
| Typical thickness humid/dry micron | | 75 humid / 132 dry |
| Mixing ratio Base/Hardener | | Base = 80 Hardener = 20 |
| Pot Life | | 10 hours |
| Thinner | | DPL 330 polyurethane thinner |
| Painting method | Brush | Only for touch ups 2 – 5 % |
| | Roller | 0 – 10 % |
| | Spray | 5 - 10 % thinning |
| | Airless spray | Nozzle's diameter 1,3 – 1,5 mm |
| | | Air Pressure 3,5 – 4,5 kg/Sq.m. (atm) |
| | | 2 – 5% thinning |
| Drying times 25°C | Untouched : | Nozzle's diameter 0,3 – 0,4 mm |
| | | Compression Ratio 30:1 |
| | | Exit pressure 130 – 160 kg/Sq.m. (atm) |
| | Dry to the touch : | 15 minutes at 10 °C 1 hour |
| | Absolutely dry : | 2 hours at 10 °C 6 hours |
| | | 12 hours at 10 °C 36 hours |
| Heat resistance | | 95 °C outdoors |
| Min./ Max. over-coating times | | 8 hours / unlimited |
| Flash point | | 36 °C |
| Shelf life | | 24 months for the base - 6 months for the hardener |
| Standard package | | kg 20 – kg 5 |

Notes

Protect from frost and direct sunlight. Do not use fire nor inflammable materials.

Application instructions

Preparation of the surfaces

New iron: see the technical data of the primer Primepox or Epofond. Apply evenly **Bicar**, over primed surfaces free from grease and dust. To obtain a thickness of 70 – 80 micron, it is necessary to apply the product by spray, in three coats on end, wet over wet.

Painted and partially deteriorated iron: remove any peeling paintwork. Sandblast thoroughly uncoated areas of the surface to be treated. Apply one coat of Primepox. After drying, smooth the surface with an epoxy or polyester putty, sandblast and apply one coat of epoxy primer Epofond or Vepox, over the whole surface. Allow to dry and apply **Bicar**, as indicated above.

Galvanized iron: see the technical data of Zincofond bicomponente. Apply **Bicar** as indicated above.

New wood: sand and apply a first coat of impregnating primer Legnomac. After complete drying, sandblast to remove the wood raised hair. Clean and apply one coat of double-component primer Acrilfond HS or Epofond. After drying, sand if necessary and apply over the whole surface free from dust, **Bicar** as indicated above.

Painted wood: remove any peeling paintwork, dust and dirt. Apply one coat of Acrilfond HS or Epofond, over the uncoated areas. Even out any imperfections, with epoxy or polyester putty. Sand and apply a second coat of Acrilfond HS or Epofond over the whole surface. Sand if necessary, remove dust and apply **Bicar** as indicated above.

Masonry works: make sure that the surface is dry and free from efflorescence. Brush off any peeling parts. In case of residual humidity above 8%, apply one coat of double-component, water based primer Idrosem. On the contrary, if the surface is very porous, dry and dusty, apply one coat of double-component, strengthening, high penetrating, insulating product Fondepox Primer. Smooth with putty or proper smoothing product Eurostuck A or Eurostuck B. Apply evenly a second coat of Idrosem and after drying, apply **Bicar** as indicated above.

Application note: apply with temperatures above 2° and below + 40° with air humidity below 75%. Do not apply in direct sunlight.

It is recommended for

Industrial, country, marine, urban atmospheres and contact with lubricating oils and acid or alkaline detergents.

It is not recommended for

Constant immersion.

Recommended primers and finishes

Idrosem WP, Fondepox primer, Primepox, Epofond, Vepox, Acrilfond HS, Zincofond bicomponente..

Safety precautions

The product is inflammable. Respect the safety norms in force for transport, storage and application. In case of application in closed places, provide a proper ventilation or forced exhaust. Do not waste the empty tins in the environment, let them dry and dispose them of as special waste. For any further information, see the technical data.

Tender Item

Application of Bicar, non yellowing, polyurethane resins based dyeing finish with weather proof pigmentation, to be applied over internal or external surfaces, with a consumption of 0,100 kg/Sq.m. excluded practical operating loss.

(*) These information, even if reliable, are absolutely approximate. The company owns the right to change them without any notice. Moreover, it is not responsible for the use of the present information. The user must previously test the product's suitability, before using it. For any further explanations or requirements on the products, please contact the staff of our technical lab.