

KJL.4445

BINDER 2K SUPERFINISH CERAMIC

Description

2K acrylic direct gloss binder, realised with nanotechnology and high adhesion acrylic resins. Suitable for direct coating of difficult surfaces where a glossy finishing characterised by high adhesion, protection and superficial scratch and oil resistance is needed, like steel, galvanised sheets, aluminium, copper, brass and hard plastics after proper degreasing and sanding of the surface. It can be used as high adhesion clearcoat, according to this hardener mixing ratio: 3:1 with HH series or 2:1 with FP series, dilution 20-30%.

Recommended for truck-chassis, cement mixers, bridges, metal structures and specific ship sections coating. No adherence or protection primer is needed. This product passed all the salt fog spray and QUV tests. It is strongly recommended to always test the adhesion of the product to the surface. If it is not satisfactory, we suggest you to add the KFP.0001 adhesion promoter additive.

Features

Specific Weight Kg/Lt

1,1/1,2

VOC (g/Lt) product ready to use Dir. 2004/42/CE

2004/42/CE IIA(500)/500

Gloss

100

% by weight: Pigment/Binder

30 / 70

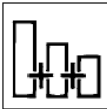
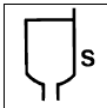
Pot-Life 20°C

45-60min

Color

Application

Spray






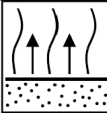


| Mixing Ratio | 10-20° | 20-30° | 30 - 35 °C | By Vol. | By Weight | Vol. x Airles | |
|--|-----------------------|----------|------------|----------|-----------|---------------|-----|
|  | Product | KJL.4445 | KJL.4445 | KJL.4445 | 100 | | |
| | Hardener | FK9.7777 | FK9.6666 | FK9.6663 | 3+1 | 33 | 3+1 |
| | | FK9.5555 | FK9.5554 | FK9.5553 | 4+1 | 25 | 4+1 |
| Thinner | RDL.F888 | RDL.S777 | RDL.L666 | 0,4-0,6 | 15-20 | 0,2 | |
|  | Viscosity (sF 4 20°C) | | | 20-22 | 20-22 | 20-22 | |

SUBSTRATE PREPARATION:

Naked sheet must be sanded with abrasive paper P220, galvanised sheet with red Scotch-brite. For the aluminium, it depends on its hardness, the soft one with red Scotch-brite, the hard one with P240. In case of application over new sheets with cataphoresis, use grey Scotch-Brite, for fiberglass use P320. Clean the support with RDL.A111 degreaser to eliminate all traces of greases, oil, silicones, fingerprints, stickers glue, detaching for fiberglass and sanding dust, before and after sanding. For plastic sections use the H2S.0003 water degreaser. Over naked metal use FK8.0053 thinner to clean the surface.

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| | |  |  |  |  |
|--|--|---|--|---|---|
| | | Conventional | | | |
| | | Gravity Feed | Suction Feed Spray | HVLP | Airless |
|  | Nozzle (mm) | 1,3-1,4 | 1,4-1,6 | 1,3-1,4 | 1140/1350 |
| | Pression (bar) | 2,5 | 3 | 2 | 48-144 |
| | N. of Passes | 1+1 | 1+1 | 1+1 | 1+1 |
|  | Flash off (min) at 20°C | 5-10 | 5-10 | 5-10 | 5-10 |
| | Dust off (min) at 20°C | 10-15 | 10-15 | 10-15 | 10-15 |
|  | Drying Time at 20°C (h) | 18-24 | 18-24 | 18-24 | 18-24 |
| | Drying Time at 60°C (h) | 30 min | 30 min | 30 min | 30 min |
| | Drying Short IR (min x cm) | | | | |
| μm | Dry microns per pass | 35-40 | 35-40 | 35-40 | 35-40 |
|  | Dry microns (min/max) | 60-80 | 60-80 | | |
| | Theoretical Yeld m ² /l X Thickness | 8-9X 80μm | 8-9X 80μm | 8-9X 80μm | |



STORAGE

Store in a cool and dry place, away from heat



HEALT AND SAFETY REGULATIONS

Professional use only. Refer to the related safety data sheet.

All the data, news and suggestions here listed are to be considered accurate according to the results of our experiences; however, we are not responsible for the obtained results, since the condition of use can not be under our control. To obtain the best final result we recommend to use IVAT products only for complete coatings cycles. On promiscuous cycles, with articles of other manufacturers, IVAT is not liable for any defects and/or anomalies.