

MECOTEC® D 165

Dispersion-based bonding adhesive

MECOTEC D 165 is a low viscous dispersion-based bonding adhesive achieving colourless coats with a high cohesion and a very good adhesion on paper, cardboard, rigid PVC, rubber, painted surfaces, polyester and polycarbonate foils. MECOTEC D 165 possesses an excellent ageing and light resistance.

APPLICATION

The adhesive application is done with a roller, with a brush or any suitable spraying device. Depending on the spray equipment, MECOTEC D 165 may be diluted up to 1 : 1 with water. Very good spray results are achieved, for example, with the cup pistol WALTER PILOT 93 ND with nozzle 1,0 mm, Spray tip 051 ND and 3 to 3,5 bar spray pressure. (Available at Messrs. Hilger and Kern GmbH, Käfertaler Str. 253, 68167 Mannheim, Germany, phone: +621-3705-0).

COLOUR

White, drying translucent

VISCOSITY

34 s approx. (flow-cup according to DIN EN ISO 2431, 4 mm nozzle)

pH-VALUE

7 approx.

SOLID CONTENTS

55 % approx.

HEAT RESISTANCE

Up to + 100° C (90 µm adhesive wet coating with coat draw squeegee on polyester foil, adhered space 10 x 2,5 cm, glued to stainless steel, load 30 g.

UV LIGHT RESISTANCE

excellent

PEEL STRENGTH

10 N/inch after 1 minute bonding time, 13 N/inch after 24 hours bonding time.

Peel values are measured with a tear off-testing equipment, type L 500, from Messrs. Lloyd Instruments, load cell 100 N, class 1, DIN 51221 for pull and pressure, traversing speed 300 mm/min., 180° peeling angle. Adhesive coating: 90µm-wet application with coat draw squeegee on 50 µm polyester foil. According to PSTC-1 Standard, glued onto polished stainless steel (Material no. 1.4301). Bonding space: 10 x 2,5 cm

TACK VALUE

1100 g measured with polyken tack-tester, 90µm, adhesive wet application with draw coat squeegee onto polyester foil.

CLEANING

Wet: Water / Dry: PREGAN 1014 E, afterwards flush with water

SAFETY TIPS/ ENVIRONMENTAL PROTECTION

Please check the resp. safety data sheets of those products used.

STORAGE

12 months (at 20° to 25° C in the original packing)

MECOTEC D 165 should not come in touch with un-secured metal for a longer period of time. It has to be stored without possibility of freezing.