

ORACAL 8500 Translucent Cal

05/29

Description

Translucent special PVC film, providing homogenous uniformity when viewed through or on to the materials. The reduced surface gloss inhibits undesired reflection.

Release paper

Silicone coated paper on one side, 137 g/m², with special release characteristics which provide excellent waste-stripping properties. For white vinyl a light blue silicone coated paper is used to form a stronger contrast to lettering.

Adhesive

Solvent polyacrylate, permanent adhesive

Area of use

This film is especially designed for permanent markings for internally illuminated signs and window graphics and meets the requirements of the computerized sign-marking industry. Suitable for application on cutting plotters.

Technical data

Thickness* (without protective paper and adhesive)	80 micron
Dimensional stability (FINAT TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length 0.2 mm max.
Temperature resistance	adhered to acrylic glass, -40°C to +90°C, no variation
Resistance to cleaning agents	adhered to acrylic glass, 8h in washcalics (0,5% household-cleaning agents) at room temperature and 65°C, no variation
Adhesive power* (FINAT TM 1, after 24h)	18 N/25 mm glass 16 N/25 mm acrylic glass
Tensile strength (DIN EN ISO 527) along across	min. 19 MPa min. 19 MPa
Elongation at break (DIN EN ISO 527) along across	mind. 130% mind. 150%
Shelf life**	2 years
Application temperature	min. + 8°C
Service life by specialist application under vertical outdoor exposure (normal climate of Central Europe)	black / white: 7 years transparent / coloured: 7 years metallic: 5 years

* average ** in original packaging, at 20°C and 50% relative humidity

Attention:

Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure respectively. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Furthermore the application informations published by ORAFOL are to be considered.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.



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