

REGU®sign Frosted Dry Apply

Self-adhesive PVC film for a noble frosted effect on glass. Can be dry-glued due to air channels in the adhesive. The solvent acrylic adhesive prevents discolouration of the product, e.g. during intensive window cleaning, and alternatively also allows wet application.

PROPERTIES

- matt surface,
- dry and wet bonding,
- no whitening of the adhesive with wet bonding
- yellowing resistant solvent adhesive,
- printable with latex, solvent and UV-curable inks.
- can be screen printed with suitable inks for PVC films,
- can be cut with the common cutting plotters

SUPPLY

22FDA.080.33600 REGU®sign Frosted Dry Apply 80µ 1370mm x 50m

TECHNICAL DATA

BASE MATERIAL	TEST METHOD	VALUE
Film type		PVC, polymer plasticised
Thickness / Grammage base film	Regulus Method AA72	0,080mm / 110 g/m ²
Thickness / Grammage compound	Regulus Method AA72	0,265mm / 280 g/m ²

ADHESIVE	TEST METHOD	VALUE
Adhesive type		Solvent-based acrylate
Tackiness	A.F.E.R.A / Glass	> 3N/25mm
Tackiness after 24 Std.	A.F.E.R.A / Glass	> 7N/25mm
Gluing temperature		min. 15°C
Service temperature		-25°C up to +80°C

COVERAGE	TEST METHOD	VALUE
Type		double-sided PE silicone paper, embossed single side
Thickness / Grammage	Regulus Method AA72	~ 145 g/m ²

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. It is the users responsibility to determine the suitability for his/her own use and application and test through the complete production process to ensure the product is fully suitable for the intended use, since conditions of use are beyond our control. The sale of our products shall be subject to our current General Terms and Conditions. We reserve the right to make changes that serve to improve the product.

PROPERTIES	TEST METHOD	VALUE
Dimensional stability	glued on glass 20x20cm after 48h / 70°C	no measurable shrinkage
Chemical Resistance	diving test 24 h	resistant to most solvents, greases, oils, mild acids and alkalis
Shelf life	vertically bonded simulation Central European standard climate	Outdoors up to 7 years

STORAGE

Store opened packages at a room temperature of 15 - 25°C and a humidity of 50 - 60%.

Storage time 1 year after delivery.

To avoid pressure marks, the roll should be stored upright or suspended. To avoid air pockets / tunnel formation, the film should be tightly wound onto a core with a minimum diameter of 76mm and sealed with adhesive tape during storage or transport with the film side facing outwards.

QUESTIONS ABOUT THE PRODUCT

Please always state the batch number (label in the core of the roll) if you have any questions about this product. Without the batch number we will be unable to answer your questions or process complaints

NOTES FOR PRINTABILITY

SOLVENT INK

Before further processing, the residual solvents contained in the printing surface must be completely dried out. Sufficiently long drying times must therefore be taken into account. The drying of the printed medium is strongly dependent on the amount of solvent used (ink application). When printing the film in a roll-to-roll process, the printed film must be unrolled as quickly as possible until it is completely dry. Solvent residues, caused by too short drying times, can lead to blocking and shiny spots in the rolled state. Therefore the correct printing speed, temperature of the ink drying and the ink limit must be determined by means of a test print before the production run.

LATEX INK

Surface protection is necessary if the printing surface is exposed to abrasion, dirt and moisture. In order to avoid blocking, shiny spots or low smudge and scratch resistance of the printed film, the liquid ink ingredients still contained in the printing surface must be completely dried out. Therefore the correct printing speed, fusing temperature of the ink drying and the ink limit must be determined by means of a test print before the production run.

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UV-INK

Elastic UV inks should be used for printing. Hard ink systems are not recommended because they can have a tendency to break / splinter the ink layer after printing and during further processing.

In addition, care must be taken to set the UV curing correctly to avoid deformation of the film due to the heat generated by the UV lamps.

ADDITIONAL NOTES

FURTHER PROCESSING

The film can be transferred with commercially available application tape. As the soft PVC film is very elastic, it is helpful to "reinforce" the film with application tape before applying it. This prevents the film from warping during the application process.

GLUING

We recommend dry application of the film. Alternatively, however, the film can also be applied wet.

In the case of wet bonding, the application tape should only be removed after approx. 30-60 minutes so that the adhesive can build up the required initial adhesion.

The film will stick to any solid, smooth surfaces which are dry and free of dirt, grease, silicon etc. Before gluing it is absolutely necessary to check that the surface is appropriate to this aim and that it has been prepared (cleaned) professionally.

It is up to the user to test for their own suitability/application, due to the wide variety of surfaces, applications and desired results.

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