

DATA SHEET 22FDA.080.33600

## REGUsign Frosted Dry Apply

PVC film for elegant frosted effects on glass. Air channels in the adhesive allow it to be applied dry without any problems. The solvent acrylate adhesive prevents whitening of the product (e.g. due to intensive window cleaning). It also allows wet application as an alternative.

### Printing Systems



### Rolls

Art.Number	Width (mm)	Thickness	Length (m)
22FDA.080.33600	1370	0.080 mm	50

### Technical data

#### Characteristic

- 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.

#### Finish

- Matt Translucent Surface
- Water & chemical resistant

#### Specifications

Release liner	double-sided PE silicone paper, embossed single side
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Width (mm)	1370
Core Diameter	76 mm
Adhesion strength	> 3N/25mm A.F.E.R.A.
Type of adhesive	Solvent-based-acrylate
Length (m)	50
Base Material	PVC polymer plasticised
Total thickness	0.265 mm / 280 g/m <sup>2</sup>
Packing quantity	1 roll

### Handling

- Gluing: The film will stick to any plane and 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. During gluing the temperature must reach at least 15°C.
- Note for temperature setting: Before printing you must check that the correct drying temperature has been set by carrying out a trial print. Too high drying temperatures can lead to a deformation of the film which can later cause further problems while processing.
- Note for Drying time / Processing: The VOC which are contained in solvent and latex inks must be fully dried before further processing. For this reason it is necessary to take long enough drying times into account. The drying time of the printed media depends very much on the quantity of solvent applied. When printing the film in a roll-to-roll process, the printed strip must be unrolled and laid flat as soon as possible until final drying. Solvent residues due to insufficient drying times can lead to blocking during transport in rolled-up form. During lamination such residues can negatively impact the quality of the finished product (flatness, shrinkage behaviour, anchorage, etc...).

### UV-Inks:

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.

### 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.

**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.

**Product liability clause**

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.