



Easy Dot Matt – Product information

General Information

- 100 µm monomeric PVC-film
- one-sided self-adhesive, white and cadmium-free
- coated with a solvent-free, age-resistant and permanent elastic acrylate adhesive
- the “dot-shaped” adhesive coat makes the material easier to handle and to reposition
- new PE release liner providing excellent flatness
- matt surface
- available as reel- and sheeted paper
- no chemical reactions between solvent-based inks and acrylate adhesive
- slight surface texture due to the dot shaped adhesive

Areas of Application

- recommended for UV-Offset and Screen Printing technologies
- suitable for (Eco) Solvent-, Latex- and UV-curable inks (low light colours recommended)
- designed for short term indoor applications like Trade Shows, Seasonal Sales etc.
- for application on a wide range of substrates (on most of the commercially available panels etc.)
- can be applied on smooth and slightly curved surfaces
- Please note that due to the multiple areas of application of this material (combined with various films, sheets of PVC or other application substrates) physically- determined dimensional fluctuation might occur that can possibly be triggered by fluctuations in temperature during processing and/or during actual application. For this reason, all specifications in our technical information are meant as references, and explicitly not intended as a basis for warranty or guarantee. Because it is impossible to test every possible print -application combination, we recommend customers conduct their own tests to see if the material is qualified for the actual end-use.

Processing & Handling

- printing profiles with low amounts of light colours are recommended to reach the best printing performance
- easy to remove from nearly all substrates
- mounted on PVC-surfaces, it can remain residue of adhesive when removing
- The removing of the film from heated surfaces (eg. Shop windows, steel surfaces, etc.) is not recommended, otherwise the adhesive may completely stay on the surface. In such cases we recommend that the material and the surface is cooling down before removing.
- to avoid problems in processing/lamination ensure adequate drying before lamination - drying time of min. 24 hours is recommended
- storage is best to be done in the original case
- surfaces must be properly prepared and free of contamination
- **applying by assistance of water is not recommended**
- stretching should be minimized as much as possible to prevent excessive shrinking
- shrinking of the edges on monomeric vinyls may occur during storage time
- ALWAYS the rolls store together with the label respectively batch number! Without batch number or production number, no requests or claims can be accepted!

Advantages / Special Features

- very good print quality
 - “dot-shaped” adhesive coating allows easy and bubble free positioning
 - fire protection*: B1 test certificate according DIN 4102-1 M1 test certificate according NFP 92
- *all relevant fire-tests are generally performed with unprinted material

Technical Data

Carrier

Film type

Soft PVC-film, monomeric, white, matt

Thickness [µm] 100 ± 10 approx.: 3.9 mil

Weight [g/m²] 135 ± 5

Breaking force [N/15mm]

lengthwise: > 50

crosswise: > 40

DIN EN ISO 527-3,

50 mm/min

Elongation at tear [%]

lengthwise: > 150

crosswise: >200

Tear resistance [N/mm²]

lengthwise: > 30

crosswise: > 20

Gloss [scale units] < 30

measuring angle

visible gel particles

in principle, the visibility of single gel particles cannot be ruled out

Dimensional stability MD/CD [mm]

MD: ≤ - 1,0

CD: ≤ - 0,8

Affixed to aluminium

L*a*b* value

in principle, colour deviations cannot be ruled out

Adhesive

Adhesive type

Polyacrylate dispersion, dots

PH-value ca. / approx. 7,0

Adhesive strength [N/25 mm] 10 min: > 1,0 24h: > 1,5 AFERA 4001

Masking

Type

one- sided siliconised PE-paper, white

Thickness [µm] 175 ± 10 approx. 6.9 mil

Weight [g/m²] 147 ± 7

Removal force [mN/cm] 80 - 170 Abzugsgeschwindigkeit / speed 300 mm/min

Others

Storage conditions

18° - 25°C / 64 - 77°F;

Relative humidity

Shelf Life [Months] 6

Flame retardancy

B1 test certificate according DIN 4102-1;

M1 test certificate according NFP 92

Indoor conditions for processing

18° - 25°C / 64 - 77°F

End-use temperature range:

-30°C bis +50°C -22° F to +122° F

affixed to aluminium

Short-term temperature load from > 70°C and continuing warming

>50°C lead to discoloration of the PVC-film

All tests were performed in accordance with 23/50-2, DIN 50014.

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