

ACTEGA Technical Bulletin

Peel Off Labels (FLEXO UV / LED UV)

Peel Off Label

A peel off label (also understood as a multilayer label or release label) offers the possibility of accommodating a lot of text and information in a small space thanks to its overlapping pages. To create peel off labels, ACTEGA offers various coating systems to make the label sides foldable and resealable. We differentiate as follows:

Version peel off effect „wet“

With the "wet" version, the adhesive strength of the adhesive on the rearside of the adhesive label (label 1) is retained. By applying a release varnish on the front side of the label 2, the opening and closing of the label 1 is guaranteed.

Construction

UV Protective Varnish (gloss or matt)
Print Image
Label 1



UV „Release“ Varnish
Print Image
Label 2



Product (bottle, container, etc.)

grey = label
blue = adhesive on the label
orange = product that bears the label

Coating recommendation Flexo UV (Hq)

Release varnish: TerraGloss UV Gloss Varnish G 8/347 Release, application volume approx. 4 - 6 g/ m²/wet, anilox roller 12 - 18 cm³/m².
Suitable substrates: foils (e. g. PE, PP)
Recommended printing speed 50 m/min per 150 W dryer.

Front side protective varnish: Depending on the requested application, there is the choice of different varnishes. Please ask our technical service for further recommendations.

Coating recommendation Flexo LED UV

Release varnish: TerraGloss UV Special Varnish G 38/527 Release, application volume approx. 4 - 6 g/ m²/wet, anilox roller 12 - 18 cm³/m².
Suitable substrates: foils (e.g. PE, PP)

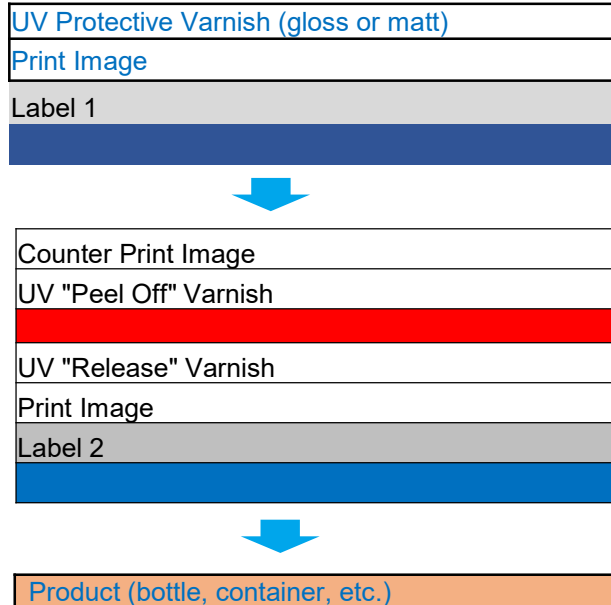
Front side protective varnish: Depending on the requested application, there is the choice of different varnishes. Please ask our technical service for further recommendations.



Version peel off effect „dry“

In this version, the adhesive of the label 1 is additionally overcoated in order to detach it from the label 2 again. This version is characterized by the fact that the adhesive effect on the rearside of the adhesive label (label 1), which is often undesired by the customer, is prevented and the print image on the rearside of the label (label 1) is thus more visually emphasized.

Construction



grey = label
 blue = adhesive on the label
 red = splitting area
 orange = product that bears the label

Coating recommendation Flexo UV (Hq)

Release varnish: TerraGloss UV Gloss Varnish G 8/347 Release, application volume approx. 3 - 5 g/m²/wet, anilox roller 8 - 14 cm³/m², well curing is needed. Suitable substrates: foils (e. g. PE, PP)

Peel off varnish: TerraGloss UV Gloss Varnish G 8/350 PeelOff. Application volume approx. 3 - 5 g/ m²/wet, anilox roller 11 -14 cm³/m². Attention: Please stirr the coating 3 to 5 minutes to achieve the proper peel off performance.
 Recommended printing speed: up to 60 m/min

Front side protective varnish: Depending on the requested application, there is the choice of different varnishes. Please ask our technical service for further recommendations.

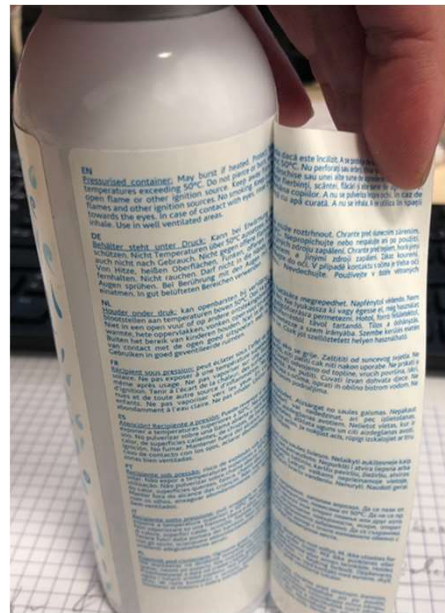
Coating recommendation Flexo LED UV

Release varnish: TerraGloss UV Special Varnish G 38/527 NVK Release, application volume approx. 3 - 5 g/m²/wet, anilox roller 8 -14 cm³/m². Well curing is needed.
 Suitable substrates: foils (e. g. PE, PP)

Peel off varnish: TerraGloss UV Gloss Varnish G 38/518 NVK with an addition of TERRAADD UV Wetting and Slip Agent G 13/101. This additive must be dosed with approx. 6 %, depending on the substrate, directly on the machine, application volume approx. 6 - 8 g/m²/wet, anilox roller 20 - 24 cm³/m².

Recommended printing speed: 20 - 30 m/min

Front side protective varnish: Depending on the requested application, there is the choice of different varnishes. Please ask our technical service for further recommendations.



ACTEGA Terra GmbH
 Industriestraße 12
 31275 Lehrte
 Germany

Tel +49 51 32 50 09-0
 www.actega.com

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