

# E300 plus

## Technical Terms and Conditions of Supply

<b>Product</b>	Multi-layer film, embossed according to RAL-GZ 716 consisting of a PMMA base-film with a lightfast and weatherproof coloration and a PVDF film
<b>Articles</b>	LG Hausys Exterior foil E300 Plus
<b>Thickness (DIN EN ISO 4593)</b>	190~200 $\mu$ m
<b>Acrylic thickness</b>	50 $\mu$ m $\pm$ 10%
<b>Thickness tolerance</b>	$\pm$ 15 $\mu$ m
<b>Width</b>	660, 1,320mm
<b>Slitting Tolerance</b>	$\pm$ 5 mm
<b>Supply</b>	400 - 600m without joints
<b>Tensile strength (DIN EN ISO 527-3)</b>	>150 kg/cm <sup>2</sup> (Longitudinal direction)
<b>Elongation at break</b>	>60% (Longitudinal direction)
<b>Dimensional stability</b>	$\leq$ 5% (10 minutes at 100 $^{\circ}$ C)
<b>Weather-ability (DIN EN 513)</b>	Color change is not greater than grade 3 of ISO 105-A02 gray scale under total radiation exposure of 30 GJ/m <sup>2</sup> . Artificial weathering test condition confirms RAL-GZ 716/1 part 7.
<b>Temperature resistance</b>	No change of the embossed image, the gloss and the color in short-term temperature stress(test 10minutes at 80 $^{\circ}$ C dry oven)
<b>Mar resistance</b>	> 20 cN Erichsen 435
<b>Heat build up</b>	The lower surface of the laminated PVC-U-plate must not exceed 66 $^{\circ}$ C
<b>Chemical resistance</b>	<p>Resistant to most organic acids and bases, aliphatic and aromatic hydrocarbons, alcohols and halogenated solvents. With the exception of fluorine is also a chemical resistance to halogens added (chlorine, bromine, iodine) due to the excellent chemical resistance of PVDF layer.</p> <p>Not resistant to strong polar solvents (such as: acetone, ethyl acetate, dimethylformamide, Dimethylacetamide), fuming sulfuric acid, and amines, basic media with a pH Value &gt; 12.</p> <p>It should be noted that also the chemical resistance of temperature, time, concentration, chemical composition, and physical state of the chemical dependence.</p> <p>It should be cautious at the cutting edges (e.g. welding), since the film is exposed in cross-section and a lateral penetration of chemicals not be ruled out.</p> <p>The suitability of chemicals, cleaning and care products must be of the customers with its own systems to be debugged</p> <p>For more information about cleaning, contact the LG Hausys technical service.</p>
<b>Storage condition</b>	Keep cool and dry storage temperature between 10 $^{\circ}$ C and 20 $^{\circ}$ C. Min. storable for 12months. Foil has to be stored at room temperature (20 $\pm$ 3 $^{\circ}$ C, 50% R.H) at least 48hrs before laminating

**\*\* Normal climate: 23  $^{\circ}$ C ( $\pm$  1  $^{\circ}$ C), 50 % of relative atmospheric humidity.**