

PRODUCT DATA SHEET

lumentics AR_0600- GL 410 *Luminescent Clear Coat*

Application:

Luminescent, transparent, weather-resistant coating powder, preferably for overcoating all types of metals.

Properties:

Afterglowing, transparent paint film with very good flow and wrap-around properties.

Colour setting:

Transparent with luminescent pigment; to achieve the good lightfastness attainable, only carefully selected, tested pigments are used.

Pretreatment:

Depending on the requirements regarding adhesion and corrosion resistance of the end product and the quality of the substrate, the following can be selected:

<u>Steel:</u>	degreasing, blasting, iron phosphating or zinc phosphating
<u>Aluminium:</u>	degreasing, blasting, passivating or chromating to DIN 50939 or a suitable chromium-free pretreatment
<u>Galvanised substrates:</u>	degreasing, blasting, zinc phosphating or chromating or a suitable chromium-free pretreatment

Processing:

Electrostatic powder spraying (EPS) at an operating voltage of 30 to 100 kV. The relevant **safety regulations** (guidelines of BGV D25, VDE, VDM) and our EU Safety Data Sheet must be observed and complied with.

Recommended film thickness: 80 - 100 µm

Curing conditions according to DIN 55990-4:

8 – 15 min dwell time at 160 °C object temperature
5 – 10 min dwell time at 180 °C object temperature

Shelf life:

18 months from delivery when stored dry at no more than 25 °C, without exposure to heating or direct sunlight!

PRODUCT DATA:

The **technological** values and resistances were measured on film thicknesses of 50 - 80 µm on chromated 0.7 mm aluminium sheet (single-coat system).

Density	DIN EN ISO 2811-1	1.514 g/cm ³ (calculated)
Gloss (reflectometer value)	DIN EN ISO 2813 angle of incidence 60°	glossy
Cross-cut test	DIN EN ISO 2409	Gt 0A
Mandrel bend test	DIN EN ISO 1519	≤ 4 mm
Cupping test	DIN EN ISO 1520	> 6 mm
Buchholz hardness	DIN EN ISO 2815	> 80
Impact test	ASTM D 2794	> 30 inch-pounds
Lightfastness	DIN EN ISO 105-B02	≥ 7
Salt spray test	DIN EN ISO 9227	after 1000 h creepage ≤ 1 mm, no blistering
Condensation, constant climate	DIN EN ISO 6270-2	after 1000 h creepage ≤ 1 mm, no blistering
Condensation, alternating climate	DIN EN ISO 3231 0.2 l SO ₂	after 30 cycles creepage ≤ 1 mm, no blistering

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It does not release the user from the responsibility of testing our product for its suitability for the intended purpose on their own responsibility. Our liability is governed exclusively by our Terms and Conditions of Sale and Delivery.