



TECHNICAL DATA SHEET - RETROREFLECTIVE FILM NIKKALITE ULTRALITE - RA2 Class (ULS800 Series)

Range of products consisting of a multi-layered film, which is composed of acrylic resin with aluminium-encapsulated glass beads on one side, and which is coated with a pressure-sensitive adhesive.

FILM FEATURES:

- Day chromaticity: The colours comply with the requirements stated in the CR1 table of the European standard EN 12899:1-2007.
- Retroreflective coefficients (measured according to the method stated in the European standard EN 12899:1-2007): The films of the ULS800 series are RA2 classified.

α (observation angle)	β (entrance angle)	Coefficient (Cd/lux/m ²)						
		White (ULS812)	Yellow (ULS804)	Red (ULS805)	Blue (ULS806)	Orange (ULS807)	Green (ULS818)	Brown (ULS809)
1/3°	+ 5°	264	174	35.9	22.3	92.7	49.3	14.3
	+ 30°	247	159	32,4	19.8	81.2	44.2	11.4
	+ 40°	212	134	32.4	16.5	65.9	36.9	9.2
2°	+ 5°	6.4	4.2	1.1	0.6	2.1	1.4	0.5
	+ 30°	5.2	3.4	0.8	0.5	1.6	1.2	0.4
	+ 40°	3.9	2.5	0.6	0.4	1.2	0.9	0.3

For all colours, the average retroreflective coefficients (see above table) are higher than the minima ones required by the EN 12899:1-2007 standard.

USER'S INSTRUCTIONS:

- In the case of already painted substrates, self-adhesive media must only be applied onto undamaged original paintwork. If the paintwork is not the original and/or is damaged, the application and the removal are at the installer's own judgement and own risk.

ADHESIVE:

- Pressure-sensitive adhesive

STORAGE:

- Shelf life (before application):

The shelf life of this film is 1 year if it is stored in its unopened original packaging, in a horizontal position, at a temperature ranging from 20 °C to 35 °C (from 68 °F to 95 °F), with relative humidity between 30 % and 80 %. Never store the roll vertically standing on its cut edge.

DURABILITY:

- Vertical outdoor exposure:
orange (ULS807): 7 years
other colours: 10 years

NOTES:

Because of the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as basis for the development of our own measuring methods which are available on request. Please feel free to contact us to get the latest instructions in use.

All information released originates from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for indirectly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at www.hexis-graphics.com.