

**PRODUCT DATASHEET**

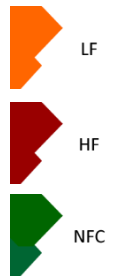
**GLOBAL TAG RFID LF & HF NAILY**



Global Tag **RFID NAILY** is a RFID tag designed as a nail, to be inserted to be inserted in pre-drilled surfaces. Particularly, it has been developed for the management of the trees in outdoor environments.

To improve the resistance and the impermeability of the tag, and to make the chip more stable, it is produced with epoxy resin inside.

**RFID NAILY** is available in LF and HF (also NFC) frequency.



**MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS**

**Dimensions:** head circumference: 16mm diameter; body length: 37mm

**Weight:** 2,2gr.

**Material:** ABS + Epoxy

**Color:** Black Color

**Class Protection:** IP68 (Totally protected against ingress of solid / Protected against long period of immersion)

**Storage Temperature:** -55°C (for 3h) to +120°C (for 2h) / -67°F (for 3h) to +248°F (for 2h) (for any other particular request contact us)

**Operating Temperature:** -25°C to +85°C / -13°F to +185°F

**Weather Ability:** Very Good, including UV resistance and sea water

**Delivery format:** Individual

**Expected lifetime:** Years in normal operating conditions

**Chemical resistance:**

No physical or performance changes in (tested up to, more hours can be):

- 200 hours Salt water (salinity 35gr/L) exposure

- 200 hours NaClO (25% with water, Bleach) exposure

Values in the table are the best recommendations; resistance against environmental conditions depends on the combinations of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. We are available for other information.



**CHIP SPECIFICATION AVAILABLE**

	LF 125Khz	HF 13,56MHz
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO15693 and NFC
IC Type Available	TK4100, T5577	I-Code SLIX, NXP Mifare Ultralight, NXP Mifare Classic 1K, N-Tag213, N-Tag216
Read Range	3/4cm	3/4cm



## CUSTOMIZATION OPTIONS

**Pre-Encoding:** For NFC chip encoding memory with different type of NFC (E-mail, URI etc.)

## APPLICATION NOTE

**Maintenance:** **NAILY** is used for maintenance in many different environments.

**Trees and Plants Traceability:** **NAILY**, in particular with HF ISO14443 (NFC) chip, can be used for traceability and marketing information on plants and trees.

## ORDER INFORMATION

**PRODUCT CODE:** GT-NLYB-xx (xx defined type of chip required)

On demand we can also produce transponders with different color or with other type of customization... contact us for more information:

**Global Tag Srl** – Via Zanardelli 13/A 25062 Concesio (BS) - Italy

P +39 030 2005259

S [global-tag](mailto:global-tag)

W [www.global-tag.com](http://www.global-tag.com)

M [sales@global-tag.com](mailto:sales@global-tag.com)

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Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general purpose product not designed or intended for any specific application.

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