



T E C H N I C A L D A T A S H E E T

E N N E L O X L

MAIN USE : These products are "surface" and "depth" anti-oxidising additives, intended for the formulation of "offset fresh inks" (Sheet Fed Inks).

- ✦ **For ink manufacturers:** prevent skin formation during the manufacturing process, especially between two operations like premixing & milling.
- ✦ **For the printers:** prevent the ink from drying on the rollers/blanket, during printing or after stopping the machine.

CHARACTERISTICS (ENNELOX L are only available with Vegetable vehicle)

Name of product	% of active product	Physical form	Colour	Odour	Viscosity
ENNELOX L 36 V	35	Paste / Compound	Pale beige	Very weak	140/180 p
ENNELOX L 50 V	49	Paste / Compound	Pale beige	Very weak	240/280 p

PROPERTIES.

This new generation of antioxidant compounds has been developed in order to offer to ink manufacturers:

- ✦ Another technical alternative to HQ* compounds, when users do not want or can not use HQ.
- ✦ Good efficiency, close to the usual antioxidants.

In addition, the L pastes are compounded in an offset vehicle in order to obtain:

- ✦ Excellent compatibility with the ink formulation, allows good storage stability.
- ✦ Very good lithographic properties, i. e. "water take-up", in order to maintain good press stability.
- ✦ A very low percentage is needed: that permits to keep the original properties of the ink**.
- ✦ The high active ingredient concentration allows the use of very small amounts which reduce the formulation cost.
- ✦ ENNELOX L are completely miscible with oil inks as well as mineral and vegetable oils.
- ✦ ENNELOX L pastes are able to be diluted in printing ink distillates, in order to reduce viscosity if needed.

NOTES : * HQ : Hydroquinone ** Due their "limited efficiency", many other NON-HAZARDOUS Antioxidant require a high dosage between 2 to 3 %, which make them difficult to use.

PERCENTAGE RECOMMENDATION.

Due to the very large number of possible ink formulations which exist and also to the degree of protection required, the following proportions should be considered only as an initial guide:

L 36 V : 0,5 to 0,9% L 50 V : 0,3 to 0,6%

STORAGE AND PACKAGING.

- ✦ **Storage:** at room T° without humidity.
- ✦ **Shelf life:** 6 months
- ✦ **Available packaging:** 25 kg pails, 200 kg drums, tailor made upon request.

OBSERVATIONS & USE.

1. Since ENNELOX L pastes influence drying times, it is important to avoid "overdoses".
2. As pigments also affect drying times, it is preferable to carry out tests on each colour.
3. When possible ENNELOX L pastes should be introduced during the last grinding stage.
4. **Always mix very well before any use because they are very concentrate products.**

IMPORTANT: the information contained in this data sheet is believed to be accurate, but it should not be taken as a guarantee.

Référence / Reference : ENX-L 2009 – 0001

FT^{GB}
07/07/2011
REV. 05

PEP (Peintures & Encres Poitevines)
Head Office and Plant
Impasse du Coquet - ZI du Coquet
03260 St-Germain des Fossés

Offices and Warehouse
Anciennes Glacières
9, allée Mesdames
03200 Vichy

Phone : 33 - 4 70 31 80 29
Fax : 33 - 4 70 31 93 38
Email : p.e.p@wanadoo.fr