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## 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   H

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

- ✚ These products are very efficient during storage, as well as on printing machine.
- ✚ Nevertheless, as soon as the ink film is printed in a thin film (a few microns) the oxidizing process begins and allows the normal drying of the ink film.

### CHARACTERISTICS

Name of product	% of active product	Physical form	Colour	Odour	Viscosity
ENNELOX H 25 V*	25	Paste / Compound	Off white / pale beige	Very weak	110/150 p
ENNELOX H 50 V*	50	Paste / Compound	Off white / pale beige	Very weak	110/150 p
ENNELOX H 65 V*	➤ 60	Paste / Compound	Off white / pale beige	Very weak	190/230 p

\* Grades V: vegetal vehicle / No more printing ink distillate (mineral oil)

### PROPERTIES.

- ✚ By fixation of oxygen, ENNELOX H pastes increase the "open time" of oxidation drying inks.
- ✚ Having a comparable structure they have very good compatibilities properties with oil inks.
- ✚ Their physical form of fluid pastes allows for easy incorporation into inks.
- ✚ ENNELOX H pastes do not affect the rheological properties of inks (viscosity and tack).
- ✚ They have "no negative influence" on the "water-ink balance", because they do not contain any polar solvent (such as alcohols, glycols or derivatives).
- ✚ Their very high active ingredient concentration allows the use of very small amounts which reduce the formulation cost.
- ✚ ENNELOX H are completely miscible with oil inks as well as mineral and vegetable oils.
- ✚ As ENNELOX H pastes are able to be diluted in printing ink distillates, it is very easy to reduce their viscosity if needed.

### 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, especially for the last generation Ennelox H 60 V:

**H 25 V :** 0, 6 to 1, 5 %

**H 50 V :** 0, 3 to 0, 8%

**H 65 V :** 0, 1 to 0, 5%

### STORAGE AND PACKAGING.

- ✚ Storage: at room T° without humidity.
- ✚ Shelf life: 6 months (Except in 1200 kg IBC containers)
- ✚ Available packaging: 25 kg pails, 200 kg drums, 1200 kg IBC (to be used **ASAP**), tailor made upon request.

### OBSERVATIONS & USE.

1. Since ENNELOX H 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 H 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 :** ENHX 9902 – 10b

FT<sup>GB</sup>

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