





A Natural Cold Emulsifier



EPHYLA SAS

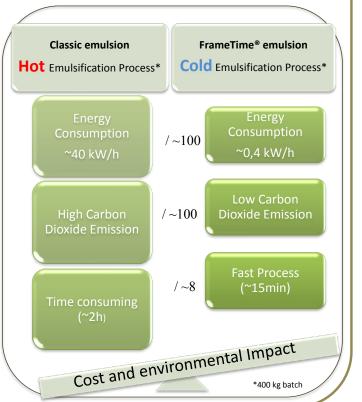
Centre de recherche Yves coppens Universite de Bretagne Sud Campus de Tohannic BP 573 - 56017 Vannes cedex Tel:+33 (0)9 81 61 62 79 - Fax:+33 (0)9 81 70 35 59 Email:contact@ephyla3.com - WebSite:www.ephyla3.com

Formulation: energy saving process

- Emulsification using Frametime is a very simple process.
- Frametime based emulsification method requires no additional heat source.













Identity Card

a Natural Cold Emulsifier



Function: cold emulsifier for O/W type emulsion

Cosmos, Ecocert standard availability

Available forms: powder preservative-free

Main Benefits & Grades

- Pickering emulsion obtained using an organic modified clay: Frametime®. The hybrid material forms a layer preventing the coalescence of oil droplets
- 3 grades available:
 - Frametime CX
 - Natural emulsifier without surfactant.
 - Cold technology for creams, make-up and opaque shampoo – shower gels

Frametime CXG

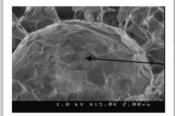
- Natural emulsifier
- Cold technology for make-up, creams, lotions and all kind of emulsified product

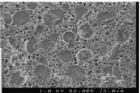
Frametime CHA

- Hyaluronic acid prefunctionalized natural emulsifier
- Cold technology for make-up and creams
- Higher dispersabilty of Pigment and active ingredients
- · Biomolecules protection
- · Rheological modifier

Characterization

Freeze-fracture SEM images * of homogeneous emulsion droplets surrounded by clay particles





Oil droplet covered by clay particles

* LVMH's properties, all rights reserved

• Whether a cream will have a good skin feel depends on several rheological factors.

