

Commercial Name	Frametime CXG
INCI name	Bentonite & Xanthan gum & Sodium stearyl glutamate & Citric acid

Specifications

- **Function:** cold emulsifier for O/W type emulsion. Pickering emulsion is obtained using an organic-modified clay: Frametime®. The hybrid material forms a layer preventing the coalescence of oil droplets.
- **Manufacturing process:** the xanthan gum, the sodium stearyl glutamate and the citric acid are intercalated into the mineral system by using a mechanical process without adding any solvent.
- **Country of Manufacturing:** France
- **Uses:** suitable for lotion, serum-milk, make-up, creams, and all kind of emulsified product
- **Cosmos validated**
- **Available forms:** superfine powder
- **Incorporation rate:** 3-7%
- **Origin:** natural
- **Color:** beige
- **Odor:** characteristic
- **pH:** 5-7,5 (in water solution at 10% at 20°C)
- **Solubility:** hydrodispersible / lipodispersible
- **No territorial restrictions known**

Tolerance

- Test: skin irritation (Patch test) –5,5%
Result: non-irritant
- Test: eye irritation testing (HET-CAM Test) –5,5%
Result: no / slight irritant

Storage conditions and Shelf Life

- Keep container tightly closed in dry and well-ventilated place
- Shelf Life: 24 months

Formulation

Mixing Tool : Impeller Blade ; Rotor-Stator

Speed rate: > 3000rpm

Average Mixing: Time: 10 -15 min

Temperature: from room Temperature to 90°C

Incorporation Order: Pre-hydrate Frametime in water under vigorous stirring then add the other water soluble ingredients. Then add the oil phase using highest shear rate until completely homogeneous.

Fluid Lotion	Viscosity	Clay Mask
3,5 %	use level	7 %
12 %	Oil phase amount	30 %

