

Commercial Name	Frametime CX
INCI name	Bentonite & Xanthan gum & Citric acid

Specifications

- **Function:** cold emulsifier surfactant-free 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 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 face creams, hand cream, hair cream, make-up and opaque shampoo – shower gels
- **Cosmos, Ecocert standard availability**
- **Available forms:** superfine powder
- **Incorporation rate:** 2-7%
- **Origin:** natural
- **Color:** beige
- **Odor:** characteristic
- **pH:** 5,0-7,5 (in water solution at 10% at 20°C)
- **Solubility:** hydrodispersible / lipodispersible
- **No territorial restrictions known**

Tolerance

- Test: skin irritation (Patch test) –6%Result: non-irritant
- Test: eye irritation testing (HET-CAM Test) –6%Result: no / slight irritant
- Test: sensitization (HRIPT Test) –4%Result: hypoallergenic

Storage conditions and Shelf Life

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

Formulation

How to use:

Step 1:

Add the powder phase to the oil phase and mix until completely dispersed (phase A)

Step 2:

Add the water phase to the phase A using a high-shear mixer until completely homogenised (the more the cream is homogeneous, the more the emulsion will be whiter)

Frametime CX: HAND CREAM

PHASES	INGREDIENTS	%
Water phase	Water	QSP
Powder phase	Frametime CX	5
Powder phase	Xanthan Gum	0.4
Oil phase	Sunflower oil	23
Oil phase	Shea Butter	5
Oil phase	Vitamin E	0.3
Water phase	Preservatives *	1,3
Powder phase	Citric Acid (QSP pH 5.5 - 6.0)	
Oil phase	Perfume	0.3

