



Cosmetic & Personal Care

High-quality raw materials for cosmetic & personal care

- Film Formers
- Thickeners





VOSHÉ MicroForm – Film-Forming Polymers for Personal Care

VOSHÉ MicroForms are aqueous polymer emulsions and solutions used as film-forming agents in diverse cosmetic formulations. Due to their different chemical composition, MicroForms have varying film-forming properties when it comes to adhesion, water resistance, and flexibility of the film after application.

VOSHÉ MicroForms cover a variety of requirements for film-forming polymers. MicroForms C 850 is a fast-drying, water-resistant, and flexible polymer with peel-off properties. MicroForms C 642 is extremely flexible, waterproof, and has very good adhesion. WorléeMicromer C 761 is also called hybride polymer with a hard core and soft shell. This is why it dries extremely fast, is very waterproof and has a certain flexibility in addition to hardness. MicroForms C 525 is a transparent solution and is particularly suitable for dispersing pigments.

It has a certain water resistance at a high hardness. The MicroForms can also be combined to optimize the film-forming properties of a formulation. Thus, by adding MicroForms C 525 to the other MicroForms, the pigments can be better dispersed and the color intensity increased. In addition, the gloss of the film is increased. Conversely, the addition of MicroForms C 642 improves flexibility and adhesion to the skin. In order to produce very water-resistant films, MicroForms C 761 or C 850 can be added.

In alcoholic solutions or sprays, MicroForms C 525, C 642, or C 850 can be used.

Beside our range of standard products, we offer tailor-made products to find your personal solution.



Your Benefits at a Glance

- Liquid polymer dispersion and solutions-easy addition into your formula
- Improves gloss and shine in decorative cosmetics
- Styrene- and Acrylamide-free products
- Cold processing – no heating or pre-dissolving
- Nano-technology free
- High water resistance for decorative products
- Fixation of pigments and other solids
- GMO free
- Suitable for vegan cosmetics
- Soft/flexible to hard/rigid
- Rub-off resistance
- Adhesion to skin
- Removable films
- Dispersing and grinding of pigments



	MicroForm C 642	MicroForm C 761	MicroForm C 850	MicroForm C 525
INCI	Ammonium Acrylates Copolymer	Ammonium Acrylates Copolymer	Ammonium Acrylates Copolymer	Ammonium Acrylates Copolymer
Solids	41 ± 1%	55 ± 1%	49 ± 1%	25 ± 1%
Glas Transition Temperature / Tg	-15 °C	80°C / 27 °C	11 °C	34 °C
Minimum Film Forming Temperature / MFFT	1 °C	0 °C	9 °C	1 °C
Preservatives	Sodium Dehydroacetate	Sodium Dehydroacetate	-	-
Color	White Emulsion	White Emulsion	White Emulsion	Transparent
Viscosity	≤ 200 mPas	≤ 500 mPas	≤ 2000 mPas	≤ 800 mPas
pH Value	7.5 – 8.5	7.0 – 8.0	8.0 – 9.0	8.0 – 9.0
Freeze / Thaw Stable	Yes	No	Yes	Yes

Advantages, Properties, and Application Areas

Advantages	MicroForm C 642	MicroForm C 761	MicroForm C 850	MicroForm C 525
Water resiatnce	++	+++	+++	+
Flexibilty	+++	++	++	
Gloss	++	+++	+++	+++
Adhesion	+++	++	++	+++
Fasr drying	++++	+++	+++	+
Hardness		++	+	+++
Peel-off			+++	
Transparent liquid				+++
Pigment dispersing	+	+	++	+++

* +good ++ very good +++excellent

Film Properties	MicroForm C 642	MicroForm C 761	MicroForm C 850	MicroForm C 525
Drying Time	Fast	Very fast	Very fast	Medium
Adhesion	Very High	High	High	High
Water resitance	High	Very High	Very High	Good
Apprance	Stretchable, very flexible, glossy	Flexible, glossy	Flexible, elastic, glossy	Hard, high-gloss

Compatibility	MicroForm C 642	MicroForm C 761	MicroForm C 850	MicroForm C 525
Shear	Yes	Yes	Yes	Yes
Salt	No	No	No	No
Alcohol	Very High	Low	Medium	Ver High
Pigments	Yes	Yes	Yes	Yes
pH Optimum use level	6.5 – 10.0	6.5 – 10.0	6.5 – 10.0	6.5 – 10.0
Max. temperature of usage	95 °C	95 °C	95 °C	95 °C

Application	MicroForm C 642	MicroForm C 761	MicroForm C 850	MicroForm C 525
Makeup	+++	+++	+++	+++
Skin care	++	++	++	++
Sun care	+++	+++	+++	++

* +good ++ very good +++excellent



Eyes and Face Color

MicroForm



Skin Care

MicroForm



Hair Care

MicroForm

MicroForm

Applications

We have a wide variety of products available for color cosmetics, hair care, and skin care applications. These products include adhesion promoters, film formers, preservatives, emollient esters, and functional skin care ingredients to help boost your product performance.



VOSHÉ MicroForm EC 200

Well, then VOSHÉ MicroForm EC 200 (natural film former and dispersing agent) is the solution you've been waiting for.

Your benefits at a glance:

- ✓ 99% based on rapeseed (NOI of 0.99)
- ✓ Produced by an eco-efficient process (lower temperature and no organic entrainer required)
- ✓ Excellent choice for pigment dispersions (Iron oxide) used in color cosmetics
- ✓ Improves adhesion and creates an even application
- ✓ Supports the desired viscosity
- ✓ Creates a creamy, smooth lip feel
- ✓ Refines the droplet distribution and improves the stability of a formulation

About VOSHÉ MicroForm EC 200

VOSHÉ MicroForm EC 200 is a natural film former (NOI of 0.99) and dispersing agent based on rapeseed for color cosmetic e.g. foundations and lip applications. The gentle low-temperature production is perfectly suited as a sustainable manufacturing process.

In order to comply with the clean label trend, GMO or animal ingredients were deliberately avoided in the production process.



MicroForm EC 200

INCI	Hydrogenated Dilinoleyl Hydrogenated Dimer Dilinoleate /Stearate
Total solids [%]	100
pH value	-
Viscosity / 25°C [mPas]	< 50,000
Natural Origin Index / ISO 16128	0,99

Properties

- Light yellow
- liquid Tasteless & Odorless
- Good dispersing properties for inorganic pigments
- Adds gloss at high application concentrations
- Controls adhesion
- Promotes the stability of emulsions
- Application concentration can be 5 – 50%
- Soluble in common emollients and natural oils
- Not soluble in water and therefore assists durability on the lips
- Insoluble in ethanol, butylene glycol and silicone oils



Rheology Modifier / Thickener

Strong products for complex formulations

The texture and feel of body care products on skin and hair is important for the consumer. Due to the complexity of the formulations, rheology modifiers are often required to ensure optimum consistency and haptics of the end product.

VOSHÉ Aqua Thix are liquid rheology modifier designed to thicken, suspend and stabilize particles an emulsions. They are cost-effective all-in-one polymers to create sophisticated cleansing products and they offer emulsion stability and suspending of pigments in skin and sun products and enhances pigments distributaion in color cosmetics resulting in pleasant aesthetics and high coverage.

Application	INCI	Description
VOSHÉ Aqua Thix 100 All-in-One Solution for Color Cosmetics and Emulsions with Pigments	Acrylate Copolymer	VOSHÉ Aqua Thix 100 is a rheology modifier designed to thicken, suspend and stabilize formulations. It offers emulsion stability and suspending of pigments in skin and sun care products and enhances pigment distribution in color cosmetics resulting in pleasant aesthetics and high coverage. It is a cost-effective and easy to handle product with numerous benefits.
VOSHÉ Aqua Thix 200 Rheology Modifier and Thickening Agent for Sophisticated Cleansing Formulations	Acrylate Copolymer	VOSHÉ Aqua Thix 200 is a rheology modifier and thickener designed to suspend and stabilize particles in cleasing formulations coataing low and high levels of surfactants. It is a cost-effectice and easy to handle product with numerous benefits. The folemulator can cearte sophisticated cleasing product with different textures ranging from clear formulations with suspended particles to pearlescent systems and oil-rich shower creams.
VOSHÉ Aqua Thix 300 Rheology Modifier and Thickening Agent for Low PH Cleansing Formulations	Acrylate Copolymer	VOSHÉ Aqua Thix 300 is a rheology modifier and thickener to provide superior clarity and stable suspension of particles for naturally preserved low pH cleansing formulations. Aqua Thix 300 is a cost-effective all-in-one polymer designed for use in formulations with pH 4.0-9.0 and to create sophisticated cleansing products with different textures ranging from clear forluations with suspended particles to plearlescent systems and oil-rich shower creams. Aqua Thix 300 shows in excellent compatibility with classical as well as mild nd sulfate-free anionic and non-ionic surfactants.





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