

PRODUCT INFORMATION

QUALITY MADE IN GERMANY

The WorléeMicromers are aqueous acrylate dispersions (C20/41 / CEK 20/41 / CEK 20/50 / C60/42) and solutions (C50/25), specially designed for decorative cosmetics like foundations, liquid eyeliners and emulsion mascaras and also for hair styling and skin care products (C50/25).

The main function of our products is to build films. After the application, these films have the function to protect the formulation against outside influences. To get a better adhesion performance in water based cosmetic products, it makes sense to use film forming polymers in the formulation.

PRODUCTS

WorléeMicromer	C20/41	CEK20/41	CEK20/50	C60/42	C50/25
Description	WorléeMicromer C20/41 is a turbid polymer dispersion made by emulsion polymerisation. It provides a flexible coating to maintain a suppleness of lashes. It exhibits the same film strength in W/O and O/W emulsions. Further it exhibits good viscosity modifying properties and is suitable for liquid eyeliner formulation with a wide variety of cosmetically accepted ingredients.	WorléeMicromer CEK20/41 is a turbid polymer dispersion made by emulsion polymerisation. It provides the same properties like the WorléeMicromer C20/41, but it's preserved without parabens.	WorléeMicromer CEK20/50 is a turbid polymer dispersion made by emulsion polymerisation. The polymer composition is similar to the CEK20/41 and it's also free of parabens. The product has a high content of polymer (~50%). It build clear and flexible films and provide good water resistant properties.	WorléeMicromer C60/42 is our latest polymer dispersion. It provides a high water resistance, perfect film flexibility and fast drying speed. It's a turbid polymer dispersion made by emulsion polymerisation. It exhibits the same film strength in W/O and O/W emulsions. Further it exhibits good viscosity modifying properties and is suitable for liquid eyeliner formulation with a wide variety of cosmetically accepted ingredients.	WorléeMicromer C50/25 is a clear liquid made by solvent polymerisation. It is free of preservatives and emulsifying agents. WorléeMicromer C50/25 builds clear and glossy films.
INCI (2006/257/EG)	AMMONIUM ACRYLATES COPOLYMER	ACRYLATES COPOLYMER	ACRYLATES COPOLYMER	AMMONIUM ACRYLATES COPOLYMER	AMMONIUM ACRYLATES COPOLYMER
Viscosity in mPas	max. 300	max. 300	max. 1000	max. 200	200 - 800
Solid (wt %)	40 - 42	40 - 42	49 - 51	40 - 42	24 - 26
Solvent	water	water	water	water	water
pH @ 20 °C	7,0 - 8,0 %	3,0 - 5,0	3,0 - 5,0	7,5 - 8,5	8,0 - 9,0
Remaining monomer content max. ppm	< 50	< 50	< 200	< 200	< 50
Preservation	METHYLPARABEN / PROPYLPARABEN	PHENOXYETHANOL / BENZOIC ACID / DEHYDROACETIC ACID / AQUA / ETHYLHEXYLGLYCERIN / POLYAMINOPROPYL BIGUANIDE	PHENOXYETHANOL / BENZOIC ACID / DEHYDROACETIC ACID / AQUA / ETHYLHEXYLGLYCERIN / POLYAMINOPROPYL BIGUANIDE	SODIUM DEHYDROACETATE	PRESERVATIVE FREE
Film description	flexible, clear film	flexible, clear film	flexible, clear film	extrem flexible, clear film	hard, clear film
Water resistance ⁽¹⁾	water resistant	water resistant	water resistant	water resistant	easy rinseable
Pendulum hardness in sec. according to König ⁽²⁾	22 - 24	22 - 24	12 - 14	22 - 24	173 - 175
Drying speed in min. (3 (+/- 1 min.) contact insensitive on film surface clear, dry film	10 15	10 15	8 10	15 6	15 15

1) (60µm film, dried @ RT for 20 min.) / 0,5 ml dist. H₂O @ RT for 5 min. / 2) 60µm; RT for 20 min.; 6° folding square/ 3) (60 µm film @ RT)

FURTHER INFORMATIONS

Shelf life 12 months
Packaging 25kg canister / 175kg drum
Storage keep in dry place in closed containers, store at 5 - 40°C, protect against frost

FOR MORE INFORMATION OR SAMPLES

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