



PRODUCT INFORMATION

	AQUEOUS POLYURETHANE DISPERSIONS				SOLID
BAYCUSAN®	C 1000	C 1001	C 1003	C 1004	C 1005
APPEARANCE	White liquid	White liquid	White liquid	White liquid	White powder
VISCOSITY¹ [mPas]	< 500	< 1000	< 1000	< 500	–
pH	7,5 ± 1,0	7,5 ± 1,0	7,5 ± 1,0	7,5 ± 1,0	–
SOLIDS² (%)	40 ± 2	32 ± 2	50 ± 2	41 ± 2	100

¹ Messung nach DIN EN ISO 3219
² Messung nach DIN EN ISO 3251



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PRODUCTS AND APPLICATIONS

VisionWorks in

POLYURETHANES FOR COSMETICS



BAYCUSAN®: A NEW STAR IS BORN!

Experience a multi-talented performer with fascinating radiance: Baycusan® – the pioneering polyurethane polymer as a film former and conditioner for your cosmetic products. With Baycusan®, the secret of beauty lies in the mix. Easy-to-formulate Baycusan® offers tailor-made solutions for your specific application. If you are looking for dazzling appearance, natural feel and long-lasting optimal hold, you will now find these properties in hair and skin products as well as in decorative cosmetics formulated with Baycusan®. Curious? Then visit us at www.bayercosmetics.com or contact us at cosmetics@bayermaterialscience.com.

BAYCUSAN®C: COSMETIC APPLICATIONS

	AQUEOUS POLYURETHANE DISPERSIONS				SOLID
BAYCUSAN®	C 1000	C 1001	C 1003	C 1004	C 1005
SKIN CARE					
Face/Body Cream/Lotion					■
Sun Care	■				■
Peel Off Mask			■		
HAIR STYLING		■			
DECORATIVE COSMETICS					
Foundation	■			■	■
Eye Products	■			■	■
Lip Products	■			■	■
Mascara	■			■	■

	BAYCUSAN® C 1000	BAYCUSAN® C 1001	BAYCUSAN® C 1003	BAYCUSAN® C 1004	BAYCUSAN® C 1005
CHEMICAL DESCRIPTION	Aqueous polyurethane dispersion	Aqueous polyurethane dispersion	Aqueous polyurethane dispersion	Aqueous polyurethane dispersion	Polyurethane powder
APPEARANCE	White liquid (40 wt. % solids in water)	White liquid (32 wt. % solids in water)	White liquid (50 wt. % solids in water)	White liquid (41 wt. % solids in water)	White powder
APPLICATIONS	Sun Care ³ and Decorative Cosmetics	Hair styling	Skin Care (Peel Off Mask)	Decorative Cosmetics	Cosmetic
VISCOSITY [mPas]	< 500	< 1000	< 1000	< 500	–
pH	7,5 ± 1,0	7,5 ± 1,0	7,5 ± 1,0	7,5 ± 1,0	–
SOLIDS (%)	40 ± 2	32 ± 2	50 ± 2	41 ± 2	100
POLYMER ATTRIBUTES	■ Outstanding water resistance ■ Good wear-resistant properties ■ Excellent aesthetics: clear smooth film ■ Natural feel: non-greasy, non-tacky ■ Good adhesion to skin: no peeling or “balling” effect ■ Good washability	■ Excellent high humidity curl retention ■ Strong hold ■ Strong elastic memory ■ Non-tacky feel ■ Excellent sprayability ■ High gloss ■ Ease of washing	■ Extremely high flexible film ■ Tear-resistant, easy to peel off in one piece	■ Outstanding water resistance ■ Good non-transfer resistance ■ Excellent aesthetics: natural feel, non-greasy, non-tacky film on skin ■ Good balance of hardness and flexibility ■ Fast drying ■ Excellent abrasive resistance ■ Good washability	■ New concept of powder filler ■ Excellent skin feel: imparts powdery velvety finish on skin ■ Outstanding spreadability without creeping ■ Wear-resistant properties ■ Reduces gritty feel of pigment-containing powder formulations due to polymer’s elasticity
ADVANTAGES FOR FORMULATING	■ Universal film former for any type of Sun Care and Decorative Cosmetics formulations ■ Compatible with a wide range of cosmetic ingredients ■ Insensitivity to pH over a wide range ■ Easy to use: neutralization not required, low viscosity product, suitable for cold process	■ Suitable for low VOC or zero VOC hair products ■ Recommended for aqueous spray formulations ■ Good compatibility with a broad range of cosmetic ingredients ■ Easy to use: neutralization not required, low viscosity product	■ Well suitable for cleansing peel off coating ■ Easy to use: neutralization not required, low viscosity product, no (co)solvent required ■ Compatible with a wide range of cosmetic ingredients	■ Universal film former for any type of Decorative Cosmetics formulations ■ Compatible with a wide range of cosmetic ingredients (e.g. pigments) ■ Insensitivity to pH over a wide range ■ Easy to use: neutralization not required, low viscosity product	■ Universal filler for any type of cosmetic formulations (Leave On and Rinse Off products)
					
³ EP 1214929 A and US 2003044364 B to be considered					

