

# Raw materials for pressure-sensitive adhesives

Best adhesion properties for all applications



# Product range

PRODUCT	APPLICATION					ADVANTAGES					FEATURES & APPLICATIONS
	Paper labels	Filmic labels	Adhesive tapes	Protectives films	PVC films	Solids content [%]	Tg [°C]	Adhesion	Cohesion	Food contact approval*	
<b>Acrylic dispersions (water-based)</b>											
<b>Acronal® 4 D</b>	■	■	■	■	■	50	-43	++	++	✓	good removability
<b>Acronal® 50 D</b>		■	■	■		50	-45	+	+++	✓	low adhesion
<b>Acronal® 80 D</b>	■	■	■			50	-53	++	+++	✓	easy to compound; good compatibility
<b>Acronal® A 107</b>	■	■	■	■		50	-46	+++		✓	acrylic tackifier
<b>Acronal® A 145</b>		■			■	51	-45	+	++	-	removable; low water-whitening; high plasticizer resistance
<b>Acronal® A 213 S</b>				■		50	-45	+	+++	-	self-crosslinking; low adhesion
<b>Acronal® A 225</b>	■	■	■			60	-45	++	++	✓	excellent adhesion on apolar surfaces
<b>Acronal® A 240</b>		■			■	51	-30	++	++	✓	low water-whitening; good plasticizer resistance
<b>Acronal® A 245</b>		■			■	52	-45	+	++	-	semi-permanent; low water-whitening; good plasticizer resistance
<b>Acronal® LA 449 S</b>				■		50	-7	+	+++	✓	low adhesion
<b>Acronal® N 285</b>			■	■		55	-40	++	+++	✓	good adhesion; high cohesion
<b>Acronal® N 286</b>			■	■		50	-40	++	+++	✓	good adhesion; high cohesion
<b>Acronal® V 115</b>	■		■			67	-58	+++	++	✓	excellent adhesion on cold, moisture and apolar surfaces
<b>Acronal® V 212</b>	■	■	■			69	-40	+++	++	✓	high tack
<b>Acronal® V 215</b>	■	■	■			69	-43	+++	+++	✓	universally usable with excellent product properties

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<b>Acrylic hot melts (UV-curable)</b>											
<b>acResin® A 204 UV</b>	■	■	■			100	-34	+	+++	✓	modification with tackifier recommended
<b>acResin® A 250 UV</b>	■	■	■			100	-39	+++	+	✓	usable for "clear-on-clear" labels
<b>acResin® A 260 UV</b>	■	■	■			100	-39	++	++	✓	usable for medical tapes
<b>acResin® DS 3532</b>	■	■				100	-60	++	+	✓	removeable; usable for "clear-on-clear" and "wash-off" labels (filmic)
<b>Styrene-butadiene dispersions (water-based)</b>											
<b>Butofan® LS 103</b>	■		■			51	-48	+	++	✓	tacky SBR; easy to formulate with tackifier
<b>Styrofan® DS 3492</b>	■					50	0			✓	primer for paper labels

## Auxiliaries

PRODUCT	Basonat® F 200 WD	Collacral® VAL	Latekoll® D	Lumiten® EL	Lumiten® I-SC
APPLICATION	Crosslinking agent	Thickener	Thickener	Defoamer	Wetting agent

■ especially suitable  
■ suitable

+++ high  
++ good  
+ low

\* Please find further information in the product specific "Information Sheet Product Safety"

Given values are approximate values, binding values are found in the specification data sheets.

# The fastest coating plant in the world

BASF is one of the world's leading manufacturers of raw materials for pressure-sensitive adhesives. Apart from advice on application technology, we offer our customers the possibility to use our new innovative coating center. With speeds of up to 700 meters per minute for UV hot melt adhesives and 1,800 meters per minute for polymer dispersions, we possess the most state-of-the-art coating plant in the world. Together with our customers, we are developing today the solutions for tomorrow.

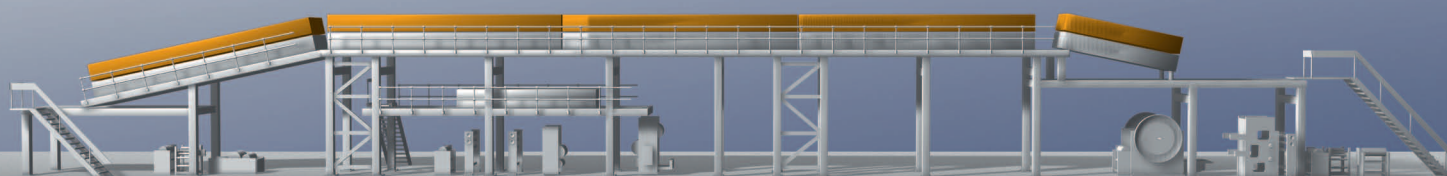
## Guidance for trials on the BASF pilot coater

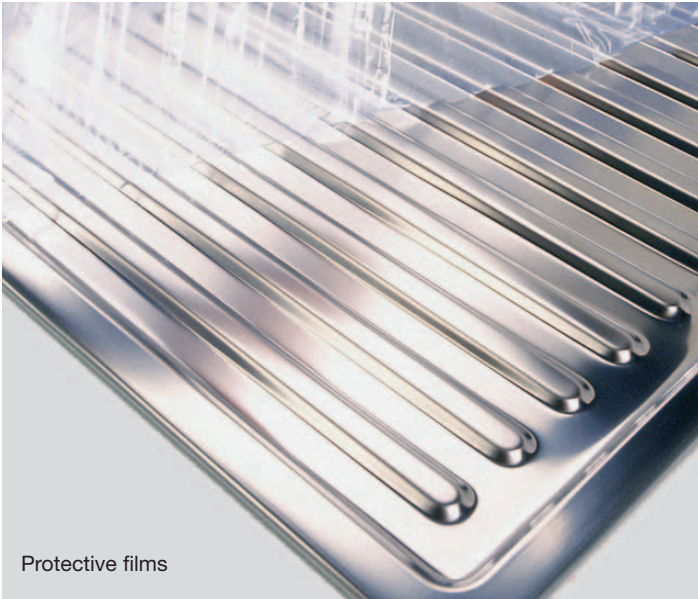
TECHNICAL DATA	DISPERSIONS	UV HOT MELT
Coating speed	20 – 1,800 mpm	20 – 700 mpm
Oven length	48 m	–
Width coating substrate	550 mm	550 mm
Width laminating substrate	570 mm	570 mm
Diameter core	76 or 152 mm/3 oder 6 inch	76 or 152 mm/3 oder 6 inch
Diameter rolls (max.)	1,250 mm	1,000 mm
AVAILABLE COATING SYSTEMS	Two chamber system Diameter core 300 mm/400 mm Curtain coater Multilayer coater Vario gravure Reverse gravure Slot die Mayer bar	Slot die
REWINDING UNIT	Flying splice	
SIZE OF TRIAL		
Length of paper or film (min.)	3,000 linear meter (backing and front substrate)	500 linear meter (depending on V:mpm)
Quantity of adhesive (min.)	200 kg	

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Protective films



Window display films



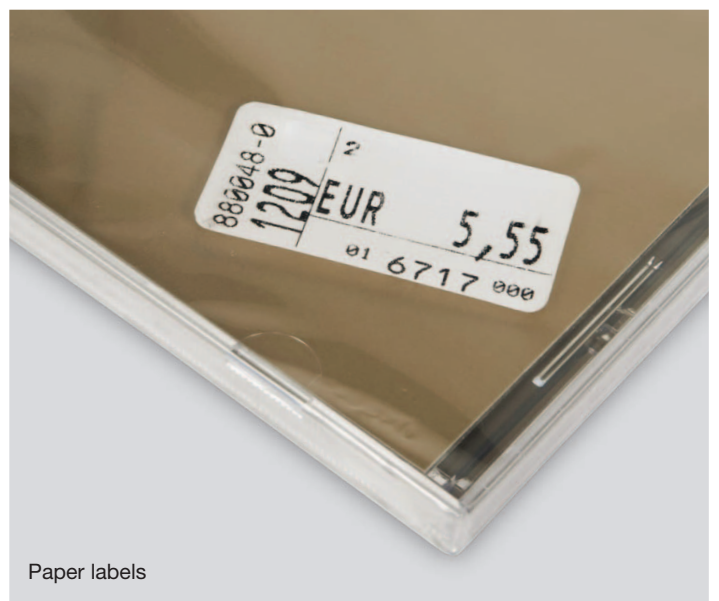
Adhesive tapes

## Chemistry that connects

With its self-adhesive technologies, BASF offers its customers an alternative to traditional adhesive methods. Our polymer dispersions and UV curable hot melts are an excellent solution for the production of high-quality self-adhesive products such as labels, tapes and films. We constantly develop and test new products – geared towards your requirements. If you need sophisticated pressure-sensitive adhesives, we not only assist you with state-of-the-art raw materials but we also offer you know-how, reliability and safety based on decades of experience. We help our customers to be more successful.



Filmic labels



Paper labels

## **BASF SE**

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