

WACKER

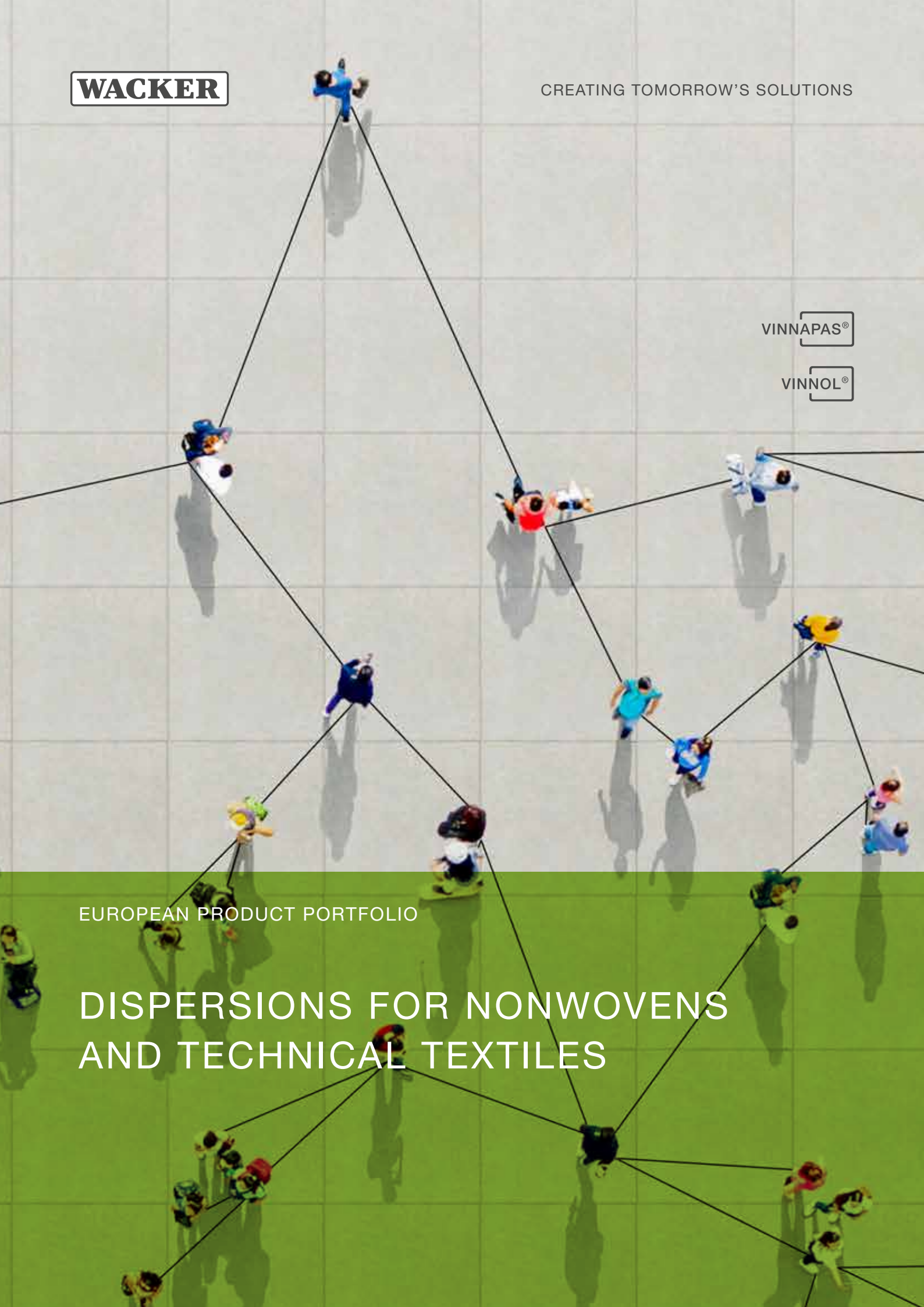
CREATING TOMORROW'S SOLUTIONS

VINNAPAS®

VINNOL®

EUROPEAN PRODUCT PORTFOLIO

DISPERSIONS FOR NONWOVENS AND TECHNICAL TEXTILES



PRODUCT OVERVIEW

		Typical General Characteristics							Stabilization System	
Grade	Polymer Base ¹	Solids Content (ISO 3251) (Residue after Drying) [%]	Viscosity Brookfield RVT at 23°C 20rpm (ISO 2555) [mPa.s]	pH (ISO 976)	Minimum Film-Forming Temperature (approx.) (ISO 2115) [°C]	Glass Transition Temperature Tg (DSC) (approx.) [°C]	Predominant Particle Size (approx.) [µm]	Film	Protective Colloid/ Emulsifier System	Grade
VINNAPAS® Homopolymer Dispersions										
VINNAPAS® DPN 36T	VAc	52 ± 1	25,000 ± 7,000	4 – 6	2	28	1	Brittle	PVOH ²	VINNAPAS® DPN 36T
VINNAPAS® DP 500	VAc	50 ± 2	35,000 ± 5,000	4.5 – 5.5	14	33	1 – 3	Brittle	PVOH ²	VINNAPAS® DP 500
VINNAPAS® DP 55	VAc	55 ± 2	3,000 ± 1,500	4 – 5	14	33	1 – 3	Brittle	PVOH ²	VINNAPAS® DP 55
VINNAPAS® Vinyl Acetate-Ethylene Copolymer Dispersions										
VINNAPAS® EP 177	VAc-E	60 ± 1	3,800 ± 1,000	4 – 5	0	3	0.9	Soft	PVOH ²	VINNAPAS® EP 177
VINNAPAS® EP 740	VAc-E	55 ± 1	2,400 ± 400	4 – 5	0	5	0.8	Soft	PVOH ²	VINNAPAS® EP 740
VINNAPAS® EPN 865	VAc-E	56 ± 2	2,500 ± 1,500	4 – 5	6	20	1.3 – 1.9	Tough	PVOH ²	VINNAPAS® EPN 865
VINNAPAS® EF 1577	VAc-E	56 ± 1	1,000 ± 850	3.5 – 5.5	0	10	0.2	Tough	Surfactant	VINNAPAS® EF 1577
VINNAPAS® Self-Crosslinking Vinyl Acetate Copolymer Dispersions										
VINNAPAS® 192	VAc-E	52 ± 1	225 ± 175	4.5 – 6	0	10	0.1 – 3	Tough	Surfactant	VINNAPAS® 192
VINNAPAS® AN 214	VAc-A	50 ± 1	250 ± 150	4.5 – 5.5	13	30	0.2 – 3	Tough	Surfactant	VINNAPAS® AN 214
VINNAPAS® EN 1020	VAc-E	50 ± 1	350 ± 300	3 – 4	0	-8	0.3	Soft	Surfactant	VINNAPAS® EN 1020
VINNAPAS® EN 1024	VAc-E	53 ± 1	350 ± 250	4 – 5	0	-11	0.3	Soft	Surfactant	VINNAPAS® EN 1024
VINNAPAS® EN 1028	VAc-E	50 ± 1	350 ± 300	4.5 – 5.5	0	-5	0.3	Soft	Surfactant	VINNAPAS® EN 1028
VINNAPAS® EN 1033	VAc-E	53 ± 1	300 ± 200	3.5 – 4.5	0	-5	0.3	Soft	Surfactant	VINNAPAS® EN 1033
VINNAPAS® EN 428	VAc-E	52 ± 1	200 ± 150	4 – 6	0	-15	0.2 – 0.3	Soft	Surfactant	VINNAPAS® EN 428
VINNOL® Vinyl Chloride Co- & Terpolymer Dispersions										
VINNOL® CE 35	VC-VAc-E	50 ± 1	70 ± 30	6.0 – 7.5	45	40	0.15	Brittle	Surfactant	VINNOL® CE 35
VINNOL® CEN 2752	VC-E	50 ± 1	200 ± 150	5.0 – 7.5	5	10	0.2	Tough	Surfactant	VINNOL® CEN 2752

Grade	Product Properties						Application Methods					Grade
	Soft Hand	Hard Hand	Hydrophilic	Hydrophobic	Washproof and Solvent Resistant	Flame Retardant	Heat-Sealable/ HF-Weldable	Impregnation	Print Bonding	Spraying	Foaming	
VINNAPAS® Homopolymer Dispersions												
VINNAPAS® DPN 36T		●●●	●●		●●			●●				VINNAPAS® DPN 36T
VINNAPAS® DP 500		●●●	●●					●●				VINNAPAS® DP 500
VINNAPAS® DP 55		●●●	●●			●	●●	●●		●		VINNAPAS® DP 55
VINNAPAS® Vinyl Acetate-Ethylene Copolymer Dispersions												
VINNAPAS® EP 177	●		●			●	●●	●●				VINNAPAS® EP 177
VINNAPAS® EP 740	●		●●			●	●●	●●				VINNAPAS® EP 740
VINNAPAS® EPN 865	●		●●		●	●	●●	●●				VINNAPAS® EPN 865
VINNAPAS® EF 1577	●		●●				●	●●		●●●	●●	VINNAPAS® EF 1577
VINNAPAS® Self-Crosslinking Vinyl Acetate Copolymer Dispersions												
VINNAPAS® 192	●		●●●		●●			●●	●●	●●●	●●	VINNAPAS® 192
VINNAPAS® AN 214		●●●	●●●		●●	●		●●	●●	●●●	●●	VINNAPAS® AN 214
VINNAPAS® EN 1020	●●●		●●●		●●			●●	●●	●●●	●●	VINNAPAS® EN 1020
VINNAPAS® EN 1024	●●●		●●		●●			●●	●●	●●●	●●●	VINNAPAS® EN 1024
VINNAPAS® EN 1028	●●●			●●●	●●			●●●	●●	●●●	●●	VINNAPAS® EN 1028
VINNAPAS® EN 1033	●●●		●		●●			●●	●●	●●●	●●	VINNAPAS® EN 1033
VINNAPAS® EN 428	●●●			●●●	●			●●●	●●	●●●	●●	VINNAPAS® EN 428
VINNOL® Vinyl Chloride Co- & Terpolymer Dispersions												
VINNOL® CE 35		●●●	●			●●●	●●●	●●		●●	●●●	VINNOL® CE 35
VINNOL® CEN 2752			●		●	●●●	●	●●	●●		●●	VINNOL® CEN 2752

These figures are only intended as a guide and should not be used in preparing specifications.

¹ VAc = vinyl acetate
A = acrylic ester
E = ethylene
VC = vinyl chloride
S = styrene

² PVOH = poly(vinyl alcohol)

●●● Very well suited
●● Well suited
● Suited

VINNAPAS® eco: The majority of VINNAPAS® grades that contain vinyl acetate can be certified as VINNAPAS® eco according to the mass balance approach. For more information on the mass balance approach and available VINNAPAS® eco grades, please visit www.wacker.com or contact your local representative.

VINNAPAS® and VINNOL® are registered trademarks of Wacker Chemie AG.



WACKER

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 Munich, Germany
www.wacker.com/contact

www.wacker.com
Follow us on:   

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.