



Vinyl Acetate Homopolymers Dry Solids Content < 50%

	BATIMIX POLYVAC ® 110	BATIMIX POLYVAC ® 111	BATIMIX POLYVAC ® 112	BATIMIX POLYVAC ® 114	BATIMIX POLYVAC ® 118
SPECIFICATIONS					
Chemical composition	Homopolymer of Vinyl Acetate				
Emulsion appearance	smooth, white liquid				
Dry film appearance	clear, brittle	clear, slightly flexible	clear, moderately flexible	clear, flexible	clear, highly flexible
Emulsifier type	nonionic	nonionic	nonionic	nonionic	nonionic
Stabilizing agent	Polyvinyl Alcohol				
Plasticizer	--	Dibutyl Phthalate	Dibutyl Phthalate	Dibutyl Phthalate	Dibutyl Phthalate
Plasticizer content [% on total]	0	1	2	4	9
pH at 25°C	5 ± 1	5 ± 1	5 ± 1	5 ± 1	5 ± 1
Density at 25°C [g/cm ³]	1.07 ± 0.02	1.07 ± 0.02	1.07 ± 0.02	1.07 ± 0.02	1.07 ± 0.02
Dry solids content [%]	50 ± 1	50 ± 1	51 ± 1	52 ± 1	53 ± 1
TYPICAL PROPERTIES					
Viscosity [cP, Brookfield RVT sp7 at 5 rpm, 25°C]	70.000 ± 10.000	70.000 ± 10.000	70.000 ± 10.000	80.000 ± 10.000	90.000 ± 10.000
Avg. particle size [µm]	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Free monomer [%]	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Grit content at 200 µm [%]	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1
Min. film forming temperature [°C]	15	12	10	6	2
Glass transition temperature [°C]	30 ± 2	30 ± 2	30 ± 2	30 ± 2	30 ± 2
Mechanical stability	Excellent	Excellent	Excellent	Excellent	Excellent
General Information					
Main Application	High viscosity binder base for paints, putty and adhesives. Adhesive for wood, leather, paper, cardboard and packaging. PVA emulsion for textile finishing and carpet back-sizing.	High viscosity, slightly flexible binder base for paints, putty and adhesives. Adhesive for wood, leather, paper, cardboard and packaging. PVA emulsion for textile finishing and carpet back-sizing.	High viscosity, moderately flexible binder base for paints, putty and adhesives. Adhesive for wood, leather, paper, cardboard and packaging. PVA emulsion for textile finishing and carpet back-sizing.	High viscosity, flexible adhesive for paperboard, cardboard, paper bags, packaging and bookbinding.	High viscosity, highly flexible adhesive for paperboard, cardboard, paper bags and packaging. Recommended for bookbinding.
Packaging	50 kg or 125 kg HDPE drum.				
Storage & Handling	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.
Health & Safety	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.

Vinyl Acetate Copolymer

batimix.

	BATIMIX POLYVAC ® 7030	BATIMIX POLYVAC ® 7525	BATIMIX POLYVAC ® 8020	BATIMIX POLYVAC ® 3015	BATIMIX POLYVAC ® 3020
SPECIFICATIONS					
Chemical composition	Copolymer of Vinyl Acetate and VEoVA 10	Copolymer of Vinyl Acetate and VEoVA 10	Copolymer of Vinyl Acetate and VEoVA 10	Copolymer of Vinyl Acetate and Butyl Acrylate	Copolymer of Vinyl Acetate and Butyl Acrylate
Emulsion appearance	smooth, white liquid	smooth, white liquid	smooth, white liquid	smooth, white liquid	smooth, white liquid
Dry film appearance	clear, flexible	clear, flexible	clear, flexible	clear, slightly flexible	clear, flexible
Emulsifier type	nonionic / anionic	nonionic / anionic	nonionic / anionic	nonionic / anionic	nonionic / anionic
Stabilizing agent	HEC	HEC	HEC	HEC	HEC
Plasticizer	Internal	Internal	Internal	Internal	Internal
Plasticizer content [% on total]	0	0	0	0	0
pH at 25°C	5 ± 1	5 ± 1	5 ± 1	5 ± 1	5 ± 1
Density at 25°C [g/cm ³]	1.07 ± 0.02	1.07 ± 0.02	1.07 ± 0.02	1.07 ± 0.02	1.07 ± 0.02
Dry solids content [%]	52 ± 1	52 ± 1	52 ± 1	52 ± 1	52 ± 1
TYPICAL PROPERTIES					
Viscosity [cP, Brookfield RVT sp7 at 5 rpm, 25°C]	12.000 ± 2.000	12.000 ± 2.000	12.000 ± 2.000	6.000 ± 2.000	6.000 ± 2.000
Avg. particle size [µm]	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Free monomer [%]	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Grit content at 200 µm [%]	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1	≤ 0.1
Min. film forming temperature [°C]	11	12	12	8	8
Glass transition temperature [°C]	26 ± 2	27 ± 2	26 ± 2	22 ± 2	18 ± 2
Water spot resistance [Index 1-10]	9	9	9	9	9
Wet scrub resistance [cycles at 30 µm]	5000	4800	4000	2600	2800
GENERAL					
Main Application	Binder emulsion for outdoor/indoor emulsion paints, primers and textured coatings.	Binder emulsion for outdoor/indoor emulsion paints, primers and textured coatings.	Binder emulsion for outdoor/indoor emulsion paints, primers and textured coatings.	Binder emulsion for indoor/outdoor paints.	Binder emulsion for indoor/outdoor paints.
Packaging	125 kg HDPE drum or 1MT IBC.	125 kg HDPE drum or 1MT IBC.	125 kg HDPE drum or 1MT IBC.	125 kg HDPE drum or 1MT IBC.	125 kg HDPE drum or 1MT IBC.
Storage & Handling	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product is stable for at least one year.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product has a 2-year shelf life.	Containers should be well sealed and stored at a temperature above freezing; a temperature of 5-35°C is recommended. Higher temperatures or a bad seal could affect quality and cause formation of crusts and skin on the surface of the emulsion. Make sure containers are tightly closed at all times and not subjected to extreme temperatures, direct sunlight or heat for prolonged periods. If stored under correct conditions, this product has a 2-year shelf life.
Health & Safety	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.	This product is water based and non-toxic under normal conditions.