

PRODUCT RANGE FOR COATINGS

Made by Synthomer
SBU Functional Solutions

WIDE RANGE OF CHEMISTRIES COVERED BY OUR BRANDS

PRODUCT PORTFOLIO BY APPLICATION



- Plextol: Acrylics
- Revacryl: Styrene acrylics
- Lipaton: XSBR and HSSBR
- Emultex: Vinyl Acetate homo- and copolymers
- Rohagit: Thickeners

PLEXTOL GRADES FOR DECORATIVE PAINTS

PRODUCT PORTFOLIO FOR MASONRY COATINGS



- Plectol D 512: New generation high quality binder
- Plectol D 487: House paint binder
- Plectol UG 3852: High quality binder suitable ext/int and silicate

PLEXTOL D 512: FOR SILICATE AND MOSAIC PLASTERS

HIGH QUALITY MASONRY PAINTS & PLASTERS



- excellent for whitening resistant mosaic-plasters
- acrylic paints with low dirt pick-up
- binder for silicate paints and plasters
- suitable for roof tile coatings (renovation)
- free from solvents / plasticizers
- outstanding water, excellent UV and weather resistance
- well balanced mechanical behavior

Dispersion parameters	
Type	PA
MFFT [°C]	17
Tg [°C]	23
Solid content [%]	50
pH	8.0
Viscosity (Brookfield) [mPa.s]	2500

PLEXTOL D 487: FOR HOUSEPAINTS

HIGH QUALITY MASONRY PAINTS & PLASTERS



- binder for “house paints”, universal renovation paints
- paints for renovation of alkyd coatings
- ambient cross-linking pure acrylic
- free from solvents / plasticizers, for eco-labels
- excellent wet adhesion to various substrates
- well balanced mechanical behavior
- good dirt pick-up resistance, good blocking resistance

Dispersion parameters	
Type	PA
MFFT [°C]	4
Tg [°C]	14
Solid content [%]	50
pH	8.0
Viscosity (Brookfield) [mPa.s]	1500

PLEXTOL ULTRAGREEN™ 3852: ECO-SUITABLE BINDER

EMULSION PROPERTIES – WET STATE



- APEO-free dispersion of an acrylic copolymer
- Solvent, plasticizer and amine free
- Low MFFT binder
- Low VOC / very low odour product suitable for ecofriendly formulations
- Excellent binding power providing high wet scrub resistance
- Excellent low VOC binder for various ecofriendly formulations: exterior / interior wall paints, semi-gloss & gloss paints

Property	Value
Solid content [%]	50
pH	7.75
Brookfield Viscosity, 3/50 [mPa.s]	750
MFFT [° C]	4
Tg [°C]	9

PLEXTOL ULTRAGREEN™ 3852: BENCHMARK BEATEN

COMPARATIVE TESTS AGAINST A MARKET REFERENCE

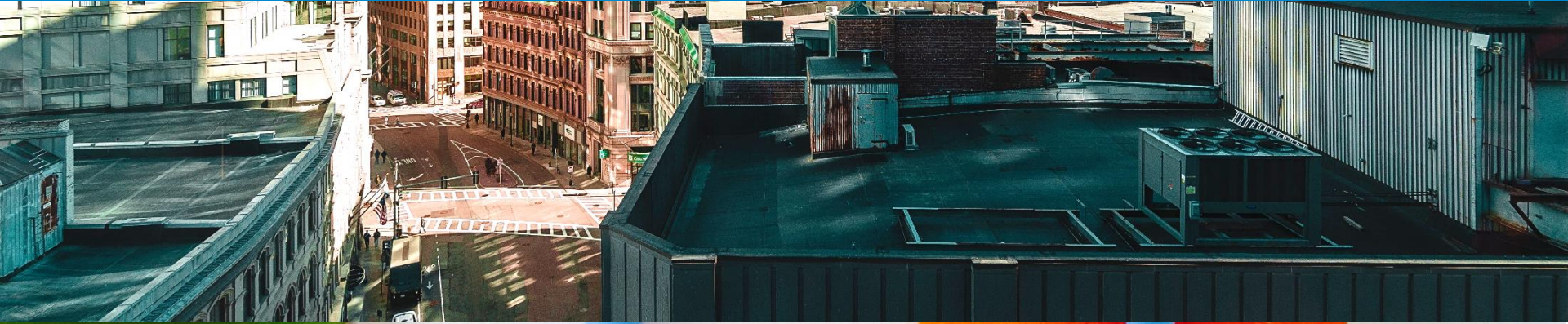


- Significantly lower water uptake for the UltraGreen™ 3852 vs. Reference product
- Hardness clearly goes beyond competition in König Pendulum Hardness Test

Property	Standard	Plextol UG 3852	Reference 1
Solid content [%]	ISO 3251	50	50 – 51
pH	ISO 976	7.75	8 – 9
Brookfield Viscosity, 3/50 [mPa.s]	ISO 2555	750	<500
MFFT [° C]		4	0
Tg [°C]		9	0
Hardness König after 3 / 7 days [s]	ISO 1522	10 / 11	4 / 4
Water absorption after 1 / 3 cycles [%]	ISO 62	8 / 8	25 / 23

ROOF, ROAD, AND ANTI-CARBONATION POLYMERS

SPECIALTIES



- Plextol R 5512: EWC and roof coatings
- Revacryl AE 3020: Roofing membranes
- Plextol R 100: Elastic specialities
- Plextol M 625 / D 507: Roof tile coatings
- Revacryl RM 4550: Road marking paints
- Plextol D 512: Anti-carbonation paints

PLEXTOL R 5512: HIGHLY FLEXIBLE COOL ROOF COATING

CROSS-LINKING BINDER FOR ELASTIC WALL AND ROOF COATINGS



- Crack bridging paints
- Elastic wall coatings
- Coatings for “cool roofs”

- good low temperature flexibility
- flexibility across a wide temperature range
- new cross-linking system for UV and ambient temperature
- free from solvents / plasticizers
- good dirt pick-up resistance

Dispersion parameters	
Type	PA
MFFT [°C]	0
Tg [°C]	-40
Solid content [%]	60
pH	6.0
Viscosity (Brookfield) [mPa.s]	1000

REVACRYL AE 3020: WATER-STOP FOR ROOFING

BINDER FOR ROOF COATINGS



- Flexible tile adhesives
- One-component waterproof membranes
- Roofing membranes
- silane modification
- free from solvents / plasticizers
- excellent water resistance
- crosslinking to substrate
- excellent adhesion under wet condition
- good weatherability / low dirt pick-up

Dispersion parameters	
Type	SA
MFFT [°C]	0
Tg [°C]	-2
Solid content [%]	50
pH	7.5
Viscosity (ISO 3219) [mPa.s]	250

PLEXTOL R 100: ELASTIC SPECIALITIES

SEALANTS AND SPECIALITIES



- Clear and pigment sealers
- Caulks
- Mastics
- Anti-Corrosive Specialities

- Excellent water-resistance
- Excellent wet adhesion
- excellent UV stability stability
- free from solvents and plasticizer

Dispersion parameters	
Type	Mod. acrylic
MFFT [°C]	0
Tg [°C]	13
Solid content [%]	62
pH	6.0
Viscosity (Brookfield) [mPa.s]	500

PLEXTOL M 625: WATER-STOP FOR ROOFING

ROOF TILE AND FIBRE CEMENT COATINGS



- Coatings for concrete roof tiles
- Coatings for fibre cement claddings
- outstanding efflorescence resistance
- free from solvents and plasticizer
- very good water whitening resistance
- high UV and weather stability
- excellent blocking resistance

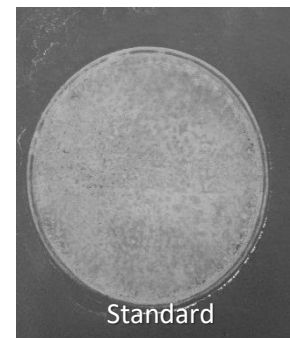
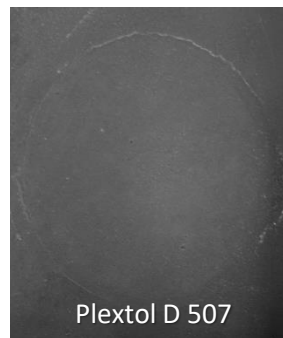
Dispersion parameters	
Type	PA
MFFT [°C]	56
Tg [°C]	56
Solid content [%]	50
pH	8.5
Viscosity (Brookfield) [mPa.s]	1600

PLEXTOL D 507: REMEDY FOR EFFLORESCENCE IN ROOFING

BINDER FOR ROOF COATINGS



- Coatings for concrete roof tiles
- outstanding efflorescence and water whitening resistance
- free from solvents and plasticizers
- very good exterior durability
- excellent blocking resistance



Efflorescence test of coated concrete roof tile

Dispersion parameters	
Type	PA
MFFT [°C]	17
Tg [°C]	25
Solid content [%]	50
pH	8.5
Viscosity (Brookfield) [mPa.s]	3500

REVACRYL RM 4550: ROAD MARKINGS

ROAD MARKING PAINTS



- Primers for mineral substrates
- Also oftentimes recommended for durable road marking paints

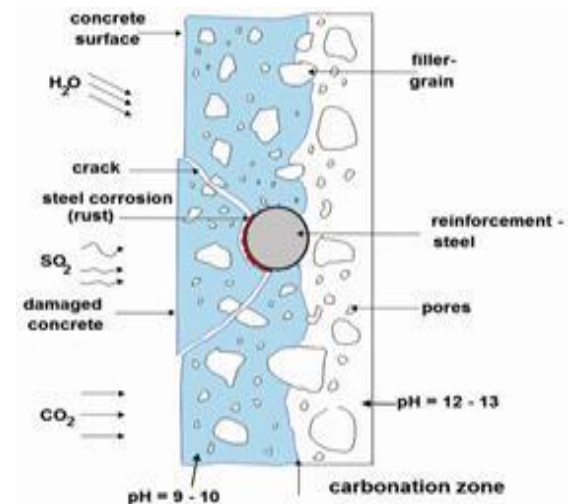
Dispersion parameters	
Type	Mod. SA
MFFT [°C]	18
Tg [°C]	22
Solid content [%]	50
pH	7.5
Viscosity (23°C, 100 1/s) [mPa.s]	350

PLEXTOL D 512: DURABLE BINDER FOR ANTI-CARBONATION

ANTI-CARBONATION PAINTS

- new generation pure acrylic
- free from solvents / plasticizers
- outstanding water resistance
- well balanced mechanical behavior
- excellent UV and weather stability

Dispersion parameters	
Type	PA
MFFT [°C]	17
Tg [°C]	23
Solid content [%]	50
pH	8.0
Viscosity (Brookfield) [mPa.s]	2500

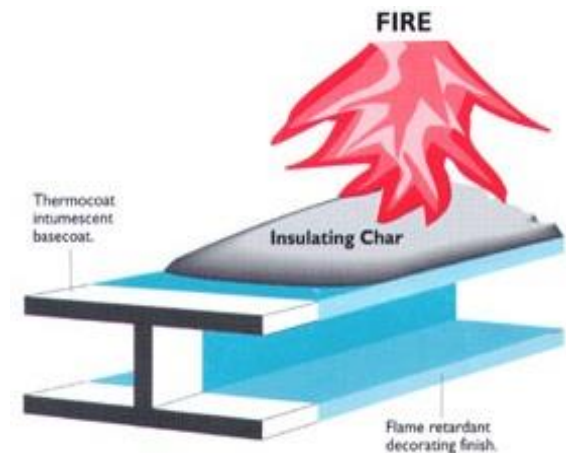


PRODUCTS FOR STEEL BEAM FIRE SHIELD COATINGS

INTUMESCENT COATINGS



- Acid source: ammonium polyphosphate
 - Carbon source: pentaerythritol
 - Blowing aid: melamine
 - Polymer dispersion: polyvinyl acetate
-
- High temperature causes formation of foam,
 - which is stabilized by polymer dispersion
 - Carbon source is dehydrated to form a high volume char
 - Char insulates substrates against heat



EMULTEX FR 728: RELIABLE INGREDIENT FOR FIRE SHIELDS

INTUMESCENT COATINGS



- Fireprotection paints for steel structures
- Halogen-free intumescent systems

- APEO-free version of Emultex 523
- 30 – 60 min. protection, excellent performance
- fast developing foam, high durability
- well established technology

Dispersion parameters	
Type	VA / VEOVA
MFFT [°C]	18
Tg [°C]	23
Solid content [%]	50
pH	4.5
Viscosity (Brookfield) [mPa.s]	1800

EMULTEX FR 797: FOR EXTENDED FIRE PROTECTION

INTUMESCENT COATINGS

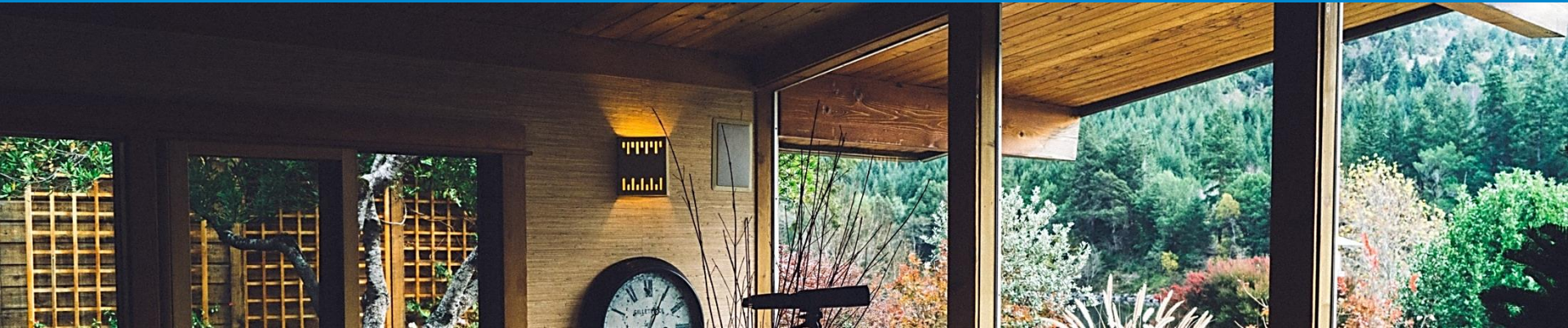


- Fire protection paints for steel structures with increased intumescent time
- APEO-free
- 90 – 120 min. protection, excellent performance
- slow developing, compact foam, high durability
- very good water resistance
- free from APEOs and formaldehyde

Dispersion parameters	
Type	VA / VEOVA
MFFT [°C]	2
Tg [°C]	13
Solid content [%]	55
pH	4.5
Viscosity (Brookfield) [mPa.s]	1100

PLEXTOL POLYMERS FOR TRIM AND PARQUET

WOOD COATINGS



- Plectol R 825: high gloss trim, ambient crosslink
- Plectol A 6474: trim and translucent, ambient cross-link
- Plectol LS 5000: Low film built translucent

- Plectol W 1078: parquet flooring

- Plectol DV 686: finish foil, 2K furniture coating
- Plectol BV 597: finish foil and edge bands

PLEXTOL R 825: GO TO BINDER FOR GLOSS WOOD PAINTS

EXTERIOR WOOD TRIM PAINTS



- for gloss paints and wood coatings
- ambient cross-linking polymer
- tough, non blocking film, and excellent wet adhesion
- high gloss potential (85%@60°)
- good compatibility with HASE and HEUR thickeners
- good levelling properties, excellent water resistance

Dispersion parameters	
Type	PA
MFFT [°C]	10
Tg [°C]	15 and 65
Solid content [%]	47
pH	8.5
Viscosity (Brookfield) [mPa.s]	2000 - 6000

PLEXTOL A 6474 – LOW VOC, DURABLE OUTDOORS

BENEFITS OF USING OUR PRODUCT



- Blocking resistance at ambient temperature
- Wet adhesion to aged alkyd coatings
- Outdoor durability
- Mechanical film properties (strength, elongation)
- Fast hardness development (low coalescent content)
- Low VOC content (due to low MFFT)

Properties of emulsion	Value
Solid content [%]	44 – 46
pH	8 – 9.5
Tg [°C]	7 / 76
Brookfield Viscosity, S2/50 [mPa.s]	20 – 200
Particle size [nm]	95
MFFT [° C]	5
König hardness [s]	35
Elongation at break [%]	100
Stress at break [MPa]	10

PLEXTOL A 6474 – SELLING POINTS

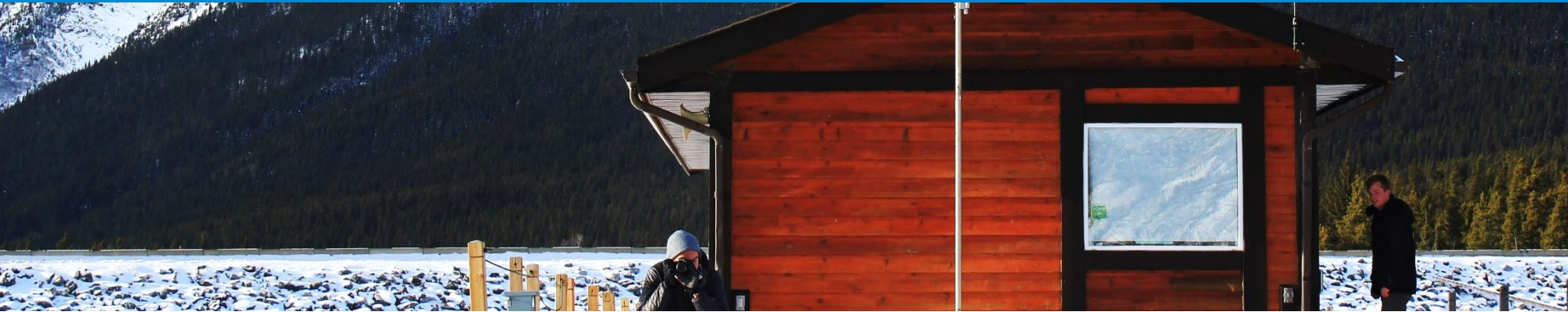
DETAILED MARKET RESPONSES



- Pure acrylic dispersion for low VOC wood formulations
 - Outdoor durability
 - Blocking resistance at normal temperature
 - Intercoat adhesion, adhesion to wood, to aged alkyd coatings
 - Flexibility
 - Water spot resistance
 - Thickener response (less PU thickener required in formulation)
- DIY trim coatings (pigmented paints and stains for window frames/doors)
- Joinery topcoats

PLEXTOL ULTRAFINE™ LS 5000: DURABILITY FOR OUTDOORS

BENEFITS OF USING OUR PRODUCT



- Water-borne dispersion with similar in-can colour to solvent-based wood stains
- Translucent dispersion (fine particles size)
- High resistance against water, temperature, and UV, excellent for the outdoors
- High gloss retention
- Good hardness development and adhesion on different types of wood

PLEXTOL ULTRAFINE™ LS 5000 – SMALL PARTICLE SIZE

EMULSION CHARACTERISTICS



Property	Method	Value
Solid content [%]	EN ISO 3251	35
pH	ISO 976	6
Brookfield Viscosity, 50 rpm, spindle 2 [mPa.s]	ISO 2555	100
Appearance	Internal	translucent
Particle size [nm]	Internal	40
MFFT [° C]	ISO 2115	12
TG [° C]	Internal	22

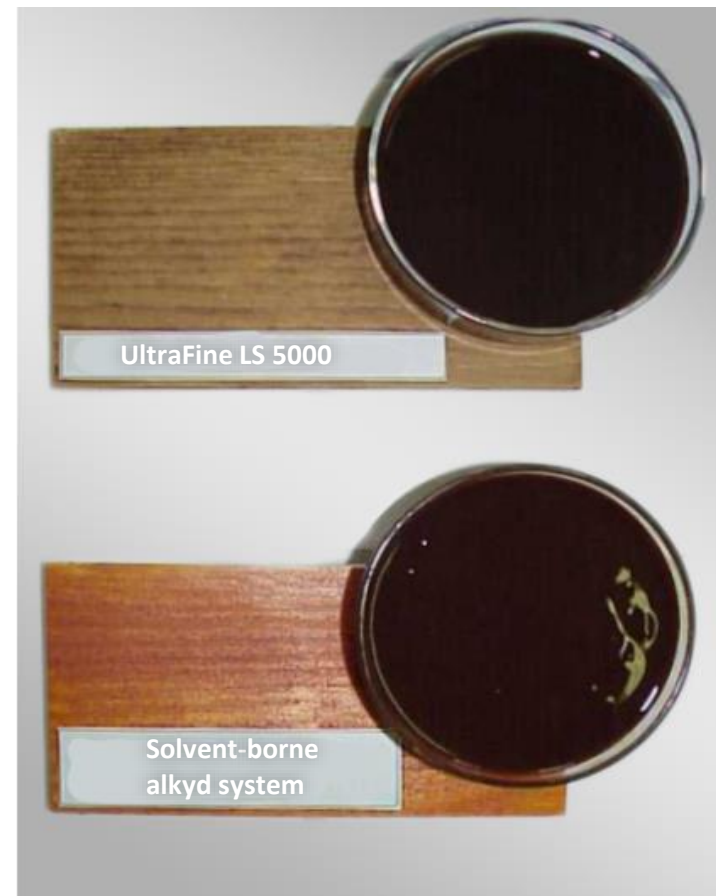
PLEXTOL ULTRAFINE™ LS 5000 – EXCELLENT APPEARANCE

COMPARISONS AGAINST INDUSTRY BENCHMARKS

Systems without solvent



same in-can colour,
stain appearance



PLEXTOL W 1078: GO TO BINDER FOR PARQUET

INDUSTRIAL WOOD COATINGS



- Furniture stains
- Floor varnishes
- 1k-Furniture finishes

- multiphase polymer with ambient crosslinking
- excellent chemical, fat, and wet heat resistance
- high film hardness combined with good gloss
- good wet and dry adhesion properties

Dispersion parameters	
Type	PA
MFFT [°C]	24
Tg [°C]	35 and 80
Solid content [%]	42
pH	8.0
Viscosity (Brookfield) [mPa.s]	500

PLEXTOL W 1078: OUTSTANDING WOOD WARMING

WOOD WARMING (“ANFEUERUNG”) AND LEVELLING

- Small particles (<60 nm) offer key advantages:
 - penetrate wood pores better
 - improved film formation
 - enhance levelling

- Several end-use benefits as a result:
 - excellent wood warming
 - good coverage
 - high gloss potential
 - higher film strength



PLEXTOL W 1078 RESISTANT AGAINST SHOE MARKINGS

BLACK HEEL MARKING RESISTANCE (BHMR) & SANDABILITY



- Clear and visible superiority of Plextol W 1078 against market benchmark

PLEXTOL DV 686: IDEAL FOR SCRATCH RESISTANT FOILS

COATINGS FOR FURNITURE FOILS



- for coatings for scratch resistant furniture foils and 2k PU coatings
- cross-linkable with melamine resins (at $T > 100^{\circ}\text{C}$)
- ambient cross-linking with isocyanates
- excellent chemical, water and stain resistance (coffee, mustard, paraffin, ethanol)
- excellent clarity
- excellent scratch and mar resistance
- very good balance of cross-linking and pot life

Dispersion parameters	
Type	PA
MFFT [$^{\circ}\text{C}$]	60
Tg [$^{\circ}\text{C}$]	60
Solid content [%]	40
pH	9.
Viscosity (Brookfield) [mPa.s]	100
OH value [%]	2.7
OH number [mgKOH/G]	90

PLEXTOL BV 597: DURABLE FURNITURE FOIL BINDER

COATINGS FOR FURNITURE FOILS



- for furniture foils
- self-cross linking at $T > 100^{\circ}\text{C}$
- very good chemical resistance
- excellent clarity
- very good stain resistance (coffee, mustard, paraffin, ethanol)
- very good scratch and mar resistance

Dispersion parameters	
Type	PA
MFFT [$^{\circ}\text{C}$]	27
Tg [$^{\circ}\text{C}$]	49
Solid content [%]	50
pH	2.5
Viscosity (Brookfield) [mPa.s]	140

ANTI-CORROSION AND LOW SURFACE ENERGY COATINGS

METAL COATINGS



- Lipaton SB 5521: Underbody coatings / anti-corrosion protection
- Revacryl AE 6030: Anti-corrosion paints / primers
- Plectol R 5530: Direct to metal (DTM)

LIPATON SB 5521: SHIELDING METAL FROM STONE & WATER

ANTI-CORROSION COATINGS



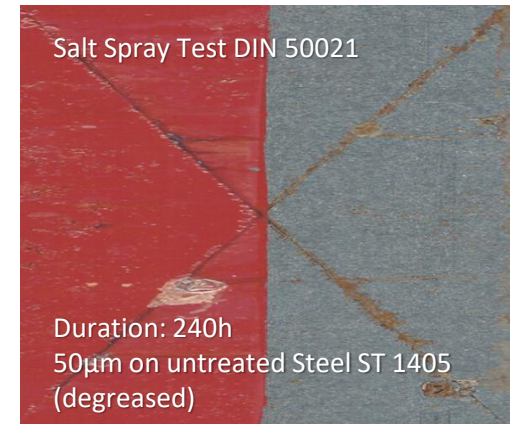
- Under-body protection
- Anti-corrosion paints and primers
- hydrophobic, elastic polymer
- very high water resistance
- good adhesion on metal
- excellent stone chip and impact resistance
- very good salt spray resistance

Dispersion parameters	
Type	XSBR
MFFT [°C]	0
Tg [°C]	-5
Solid content [%]	50
pH	8.5
Viscosity (ISO 3219) [mPa.s]	100

REVACRYL AE 6030: POLYMER GUARD AGAINST CORROSION

ANTI-CORROSION COATINGS

- Anti-corrosion paints and primers
- hydrophobic polymer
- excellent early water resistance
- very good adhesion on metal (steel, galvanized, aluminum)
- very good salt spray resistance



Dispersion parameters	
Type	SA
MFFT [°C]	32
Tg [°C]	38
Solid content [%]	50
pH	8.0
Viscosity (ISO 3219) [mPa.s]	125

PLEXTOL R 5530: PREVENTING UV DAMAGES AND STAINS

PRIMER FOR LOW ENERGY SURFACES



- Primer for low energy surfaces i.e. plastics such as ABS, PC
- self cross-linking Veocryl dispersion
- very hydrophobic film
- high UV resistance

Dispersion parameters	
Type	Mod. PA
MFFT [°C]	23
Tg [°C]	28
Solid content [%]	46
pH	8.2
Viscosity (Brookfield) [mPa.s]	800

PLEXTOL R 5530: SHIELDING METAL FROM WATER

ANTI-CORROSION COATINGS



- Direct to metal coatings and top coats
- self cross-linking Veocryl dispersion
- very hydrophobic film
- excellent adhesion to ferrous metals
- optimised water phase for corrosion properties
- high salt spray and UV resistance
- high gloss potential



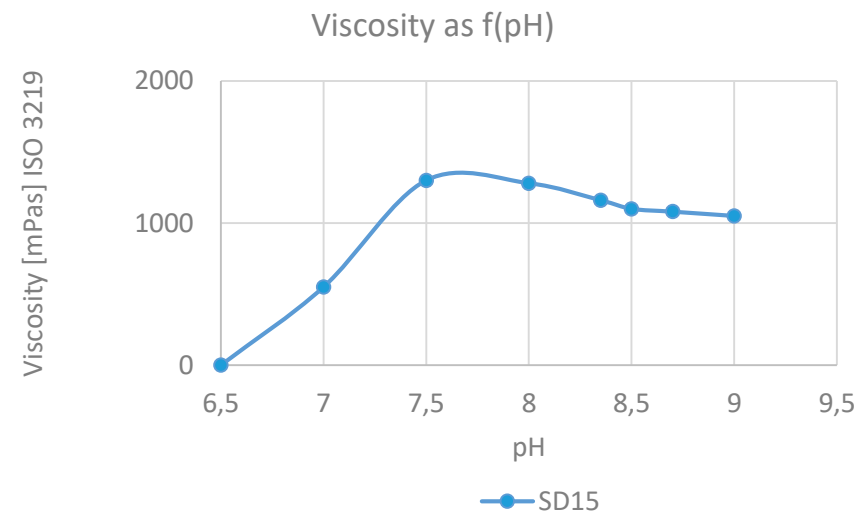
Salt Spray (50µm)*

ROHAGIT SD 15: UNIVERSAL & ALKALI SWELLABLE

ACRYLIC THICKENER



- ASE thickener, pure acrylic emulsion
- solids content of 30 %
- high efficacy, easy incorporation
- in accordance with Blue Angel regulations
- pasty, not thready consistency
- add directly or in stock solution (1- 8% alkaline solution)
- lifting the viscosity curve over the complete shear rate, providing in-can viscosity, sag resistances, body and yield
- excellent UV-stability



REVACRYL DISPERSIONS TO HIGHLIGHT YOUR WALLS

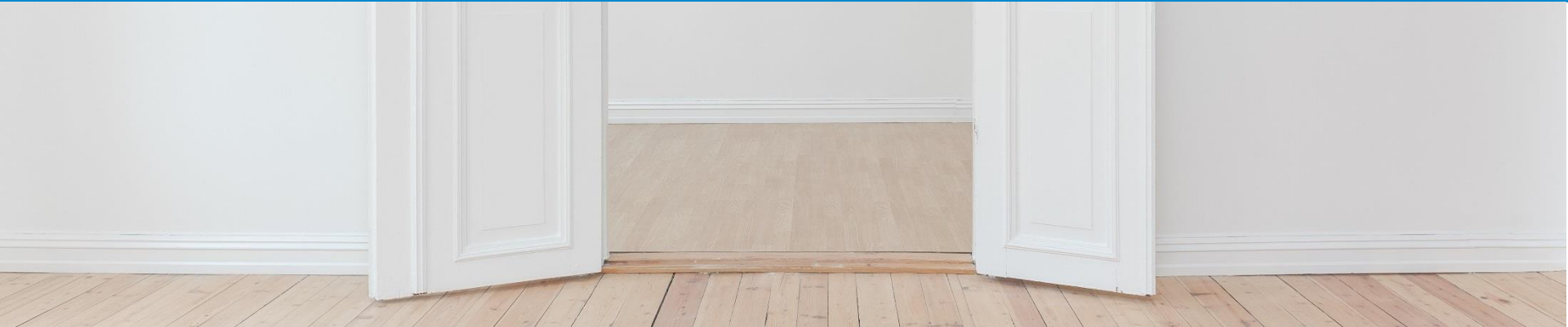
PRODUCT PORTFOLIO FOR EXTERIOR / INTERIOR WALL COATINGS



- Revacryl AE 4625: Ammonia free universal binder
- Revacryl DS 2100: Multipurpose binder
- Revacryl AE 3723: Very low emission, ammonia free
- Revacryl UltraGreen™ 1876: High pH-biocide-free paints, outstanding wet scrub resistance
- Revacryl UltraFine™ 4210: Fine particle sized styrene acrylic binder for penetration primes
- Plectol UltraFine™ PR 3500: Ultrafine particle sized pure acrylic binder for primers

REVACRYL AE 4625: BINDER FOR WALL & SILICONE PAINTS

UNIVERSAL BINDERS



- wall paints, plasters and primers (interior & exterior)
- silicone paints and plasters
- silicate paints and plasters
- good stability (shear, electrolyte) in formulation
- good weatherability, high saponification resistance
- excellent pigment binding capacity
- free from plasticizers / solvents / ammonia

Dispersion parameters	
Type	SA
MFFT [°C]	18
Tg [°C]	22
Solid content [%]	50
pH	7.5
Viscosity (ISO 3219) [mPa.s]	500

REVACRYL DS 2100 – MODERN & MULTI-PURPOSE

AN IMPROVED VERSION OF REVACRYL DS 910



- Excellent polyvalence in use
- Good opacity in matt and silk paints
- High level of gloss silk and semi-gloss paints
- Excellent compromise of vapour and water permeability in masonry facade paint
- Very low level of VOC (0.1%)

- Indoor matt, silk and semi-Gloss paint; masonry facade paint with or without silicone emulsion as application field

REVACRYL DS 2100

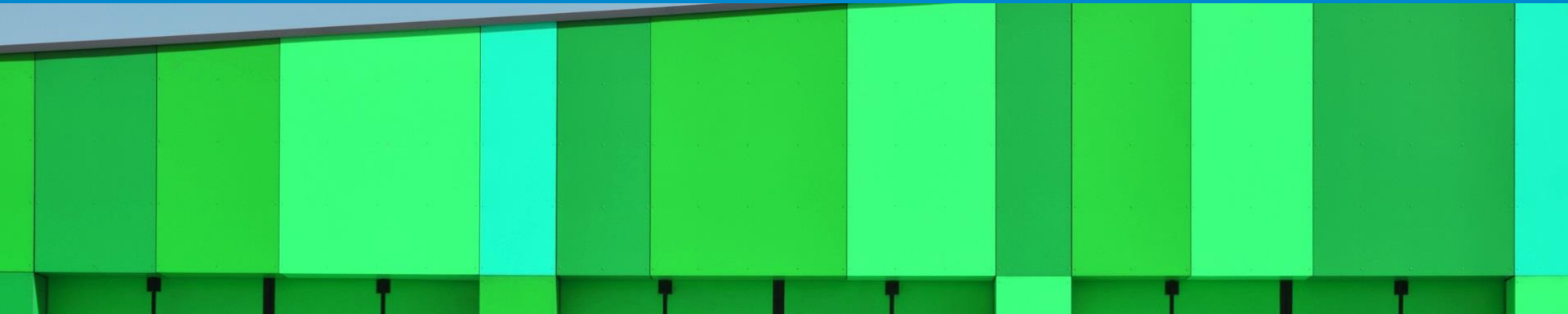
EMULSION CHARACTERISTICS



Property	Method	Value
Solid content [%]	EN ISO 3251	50
pH	ISO 976	8
Brookfield Viscosity, 50 rpm, spindle 3 [mPa.s]	ISO 2555	500-2000
Appearance	Internal	Milky
Particle size [nm]	Internal	150
MFFT [° C]	ISO 2115	18
TG [° C]	Internal	25

REVACRYL AE 3723: EXTREMELY LOW EMISSION BINDER

UNIVERSAL BINDERS



- matt to semi-gloss paints
- low emission paints according to “Blue Angel” or “Nordic Swan” eco labels
- silicone and silicate paints and plasters
- extremely low VOCs <300 ppm [according to ISO 17895]
- residual monomers < 20 ppm
- free from plasticizers / solvents / ammonia
- good weather stability, high saponification resistance

Dispersion parameters	
Type	SA
MFFT [°C]	4
Tg [°C]	10
Solid content [%]	50
pH	7.5
Viscosity (ISO 3219) [mPa.s]	150

REVACRYL ULTRAGREEN™ 1876

HIGH PH BIOCIDES-FREE WALLPAINTS

Application

- High pH biocide-free wall paint
- Highly suitable for RAL UZ 102 compliant wall paints
- Silicate-paint compliant DIN 18363 (< 5% org.content)

Features

- Excellent stability at high pH (>11.0)
- Excellent silicate stability
- Excellent water resistance
- High scrub resistance
- High pigment loading
- APEO & formaldehyde-free



Typical Physical Properties	Revacryl UltraGreen™ 1876
TSC [% by weight]	50.0
pH	7.5
Viscosity [mPas]	100
MFFT [°C] / Tg [°C]	5 / 6
Particle size [nm]	140

REVACRYL ULTRAGREEN™ 1876

HIGH PH BIOCIDES-FREE WALLPAINTS

Polymer & Paint Performance	Revacryl UltraGreen™ 1876	Benchmark
Water uptake [%]	9.6	23.3
Silicate storage stability Initial	125	170
Viscosity Brookfield 3d 23/40°C	120/100	1505 / coagulated
LVT 1/6 mPas 21d 23/40°C	110/115	860 / coagulated
Wet scrub resistance (ISO 11998)	1.4	4.9
Loss of film thickness, µm		

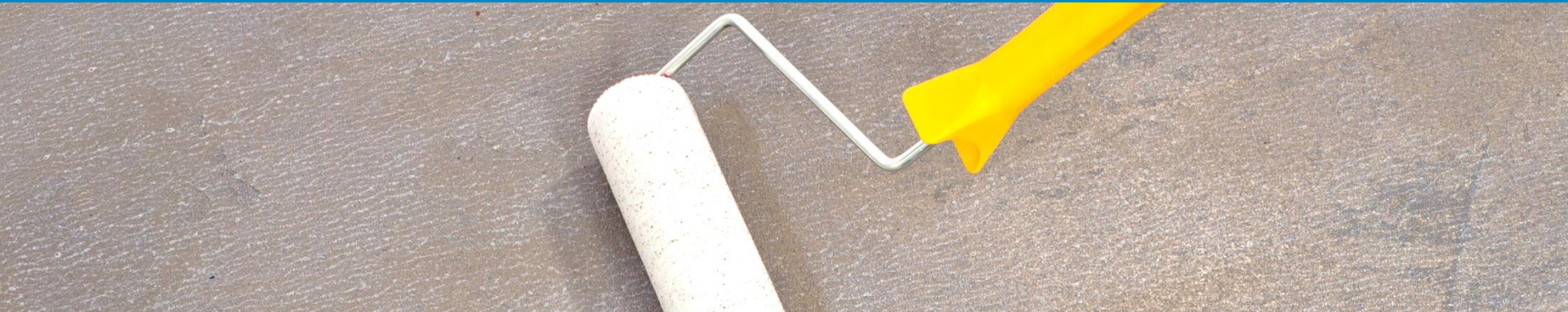
High pH biocide-free wall paint

- Temporary preservation of the binder through CIT/MIT 3:1 and depletion at high pH (11.4)
- Excellent storage stability at high pH (11.4)
- Microbial challenge tests successfully passed in Microbiology Lab Harlow (UK)
- **Revacryl UltraGreen™ 1876** is particularly suited for biocide-free, low emission interior wall paint in accordance with the new RAL UZ 102 “Blue Angel” requirements of December 2018



REVACRYL ULTRAFINE™ 4210: IDEAL FIRST CONCRETE COAT

PRIMER



- improvement of adhesion of following coats by:
 - consolidating the substrate
 - evening out the local differences in substrate absorbency
 - protecting against the emergence of salts from the substrate (efflorescence barrier effect)
- hydrolysis stability
- majority of masonry substrate are alkaline in nature
- good filming and electrolyte stability

Dispersion parameters	
Type	SA
MFFT [°C]	<1
Tg [°C]	10
Solid content [%]	31
pH	7,5
Viscosity (ISO 3219) [mPa.s]	<100

PLEXTOL ULTRAFINE™ PR 3500: IDEAL FOR SUBSTRATES PRIMING

PRIMER



- not only for non mineral primer application
- very low particle size (30nm)
- high transparency
- low MFFT
- high penetration power
- extrem high consolidation power
- very good anti-efflorescence property
- good adhesion to several substrates

Dispersion parameters	
Type	PA
MFFT [°C]	<5
Tg [°C]	16
Solid content [%]	30
pH	7,0
Viscosity (ISO 3219) [mPa.s]	<200

IDEAL ALTERNATIVE TO STYRENE ACRYLATE BASED BINDER

VINYLICS FOR WALL COATINGS



- Emultex VV 665: Alternative to VAE binders
- Emultex VV 673: Eco label compliant
- Emultex VV 676: Outstanding flexibility
- Emultex 5717: Pseudoplastic rheology

EMULTEX VV 665: OUTSTANDING PIGMENT BINDING

UNIVERSAL BINDER



- Matt to semi-gloss paints
- Low emission paints according to “Blue Angel”
- Interior and exterior applications
- Outstanding pigment binding capacity
- High scrub resistance
- High gloss level
- For solvent free formulations
- Alternative to VAE binders

Dispersion parameters	
Type	VA/VV/A
MFFT [°C]	0
Tg [°C]	6
Solid content [%]	57
pH	4.5
Viscosity (Brookfield) [mPa.s]	2200

EMULTEX VV 673: DURABLE AND ECO LABEL COMPLIANT

UNIVERSAL BINDER



- Matt to semi-gloss paints
- Interior and exterior applications
- High scrub and water resistance, high durability
- Good alkali resistance
- Universal binder

Dispersion parameters	
Type	VA/VV/A
MFFT [°C]	14
Tg [°C]	16
Solid content [%]	55
pH	5.0
Viscosity (Brookfield) [mPa.s]	2200

EMULTEX VV 676: DURABLE AND ECO LABEL COMPLIANT

EXTERIOR PAINTS



- Exterior wall paints and textured finishes
- Flexible coatings
- High build coatings

- High UV resistance
- High alkali resistance
- Low water uptake
- High flexibility
- Excellent pigment binder

Dispersion parameters	
Type	VA/VV/A
MFFT [°C]	2
Tg [°C]	13
Solid content [%]	55
pH	4.5
Viscosity (Brookfield) [mPa.s]	700

EMULTEX 5717: PSEUDOPLASTIC, MAXIMUM DURABILITY

EXTERIOR PAINTS



- Exterior wall paints
- Exterior high build textured coatings

- Excellent exterior durability
- High stability
- High heel point
- Highly pseudoplastic

Dispersion parameters	
Type	VA/VV/A
MFFT [°C]	12
Tg [°C]	15
Solid content [%]	50
pH	3.5
Viscosity (Brookfield) [mPa.s]	12000

PRODUCT SELECTOR

ARCHITECTURAL COATINGS

	Matt	Eggshell, Wet room paints	Semi-Gloss	Masonry paints / facade paints	Silicate paints / plasters	Silicon resin paints / plasters	Flexible coatings / Crack bridging coatings	Primers	Stabilising solutions	Thickeners		Solid Content [%] ISO 3251	pH Value ISO 3219	Viscosity [mPa · s]	Glass transition temperature Tg [°C]	MFFT [°C]	
Product Name	Applications										Properties	Emulsion Properties*				Site	
Acrylic																	
PLEXTOL B 500					○	●					High stability, non-ionic stabilized	50	9.5	2,500 ¹⁾	9	7	WOR
PLEXTOL D 487		●	●	○							Self-crosslinking, universal adhesion (house paint), abrasion resistant	50	8.0	2,500 ¹⁾	14	4	WOR
PLEXTOL UltraGreen 3852	○	●	●	○							Lower VOC, low water and alkali sensitivity, outdoor durability	50	8.0	500	9	4	SOK
PLEXTOL D 2610		●	●	○							Low water sensitivity, wet adhesion	49	8.0	300	25	25	SOK
PLEXTOL L 3851			○	●							Excellent non-water-blanching, UV resistance	49	8.0	600	22	20	SOK
PLEXTOL D 512			○	●	○	○					Universal binder, excellent weatherability and outstanding water resistance	50	8.0	2,500 ¹⁾	26	17	WOR
PLEXTOL R 100				●				●			Cost effective, Flexible, high water resistance	62	6.0	550 ¹⁾	13	0	STB
PLEXTOL R 123								●			Flexible, low water uptake	60	7.5	300 ¹⁾	-15	0	STB
PLEXTOL R 803		●									Very high exterior durability, good compatibility with associative thickeners	46	7.5	250 ¹⁾	24	18	STB
PLEXTOL R 814		●									Excellent wet adhesion and scrub resistance	48	8.5	1,100 ¹⁾	-10/10/55 ³⁾	0	STB
PLEXTOL UltraFine PR 3500								●			Excellent efflorescence resistance and over-coat adhesion, particle size 40nm	30	7.0	200	12	5	STB
Styrene Acrylic																	
REVACRYL AE 3723	○			○	●	●					Very low emission, good pigment binding power	50	7.5	150 ²⁾	10	4	STB
REVACRYL DS 2100	○	○	○	●				○			Multipurpose	50	7.5	1000	22	18	RBC
REVACRYL L 3783	●		○	●				○			Robust multipurpose, high alkali resistance	50	8.0	500	19	19	SOK
REVACRYL L 3790	●			○							Robust multipurpose, high alkali resistance, soda neutralized	50	8.0	900	24	24	ASU
REVACRYL UltraGreen 3710	○			●				○			Low VOC, multipurpose	50	7.0	1200	9	5	SOK
REVACRYL UltraGreen 1876	●			○	●						Low VOC, high wet scrub resistance, high pH biocide free, silicate compatible	50	7.5	100	6	5	WOR
REVACRYL AE 3820	○		●	○	●	●					Low odour, good pigment binding power	50	7.5	150 ²⁾	10	4	WOR
REVACRYL AE 3826	●				●						Low odour, excellent pigment binding power	50	8.0	100 ²⁾	9	4	WOR
REVACRYL R 245				●		○					Excellent flexibility	50	8.0	350 ¹⁾	14	10	STB
REVACRYL UltraFine 4210								●			Excellent penetration and consolidation, particle size 40nm	31	7.5	100	10	0	SOK
Vinyl Acetate Copolymer																	
EMULTEX VV 665	●		●	○				●			High scrub resistance and high gloss	57	4.5	2,200 ¹⁾	6	0	STB
EMULTEX VV 673			●	●							Universal binder, high durability	55	5.0	1,000 ¹⁾	16	14	STB
EMULTEX VV 675	○			●							High flexibility, low water uptake	55	4.5	700 ¹⁾	13	11	STB
EMULTEX VV 679	●		●								High gloss level and high scrub resistance	50	4.5	1,200 ¹⁾	20	16	STB
Thickener																	
ROHAGIT SD 15										●	Solvent free, UV-stable	30	3.3	<100 ¹⁾	-	-	WOR

Product Range Decorative Coatings Europe. For availability in your region, please contact our local sales staff.

* Data describe typical properties - not product specifications

● recommended applications

○ suitable applications

¹⁾ Test method ISO 2555 (Brookfield)/ISO 1652 (Brookfield)

²⁾ Test method ISO 3219

³⁾ Multi-phase particles

PRODUCT SELECTOR

PROTECTIVE COATINGS

Product Range Protective Coatings Europe. For availability in your region, please contact our local sales staff.

- recommended applications
- suitable applications

- 1) Test method ISO 2555 (Brookfield)/ISO 1652 (Brookfield)
 2) Test method ISO 3219
 3) Multi-phase particles

PRODUCT SELECTOR

WOOD COATINGS

									Exterior wood paints/Trim paints						Exterior wood stains/Varnishes						Impregnants						Wood primers						Interior wood stain/Interior varnishes						Furniture						Floor Varnishes												Solid Content [%] ISO 3251						pH Value ISO 976						Viscosity [mPa · s]						Glass transition temperature Tg [°C]						MFT [°C]					
Product name		Applications								Properties								Emulsion Properties*												Site																																																								
Acrylic																																																																																						
PLEXTOL R 5335		○	●		○					Excellent exterior durability, high flexibility								46	8.5	550 ¹⁾	22	14	STB																																																															
PLEXTOL R 5530					○					Very hydrophobic film with high gloss potential, stain blocking resistance								46	8.2	800 ¹⁾	33	23	STB																																																															
PLEXTOL R 803		○	○							Very high exterior durability, good compatibility with associative thickeners								46	7.5	250 ¹⁾	24	18	STB																																																															
PLEXTOL R 825		●	○							High gloss potential, good compatibility with associative thickeners								47	8.5	4,000 ¹⁾	15 / 65 ³⁾	10	STB																																																															
PLEXTOL R 826						●			●	Hard, scratch resistant film, parquet coatings								42	8.0	500 ¹⁾	20 / 70 ³⁾	12	STB																																																															
PLEXTOL R 5327		●			○				○	Structured / non-drip trim paints, high gloss potential, self-cross-linking								45	8.0	800 ¹⁾	-3 / 70	0	STB																																																															
PLEXTOL W 1078						●		○	●	Good wood warming, excellent chemical resistance, high hardness								42	7.5	170 ¹⁾	35 / 80 ³⁾	24	STB																																																															
PLEXTOL A 6474		○	○		○	○				Lower VOC, heterogeneous morphology, self-crosslinking, versatile product, good levelling								45	8.5	150	7 / 76	5	SOK																																																															
PLEXTOL UltraFine LS 5000			○	●	●	○				Transluscent aspect, particle size 50 nm, excellent impregnation								35	5.5	100	21	9	STB																																																															
PLEXTOL UltraGreen 3861		●								Lower VOC, heterogeneous morphology, high gloss								46	7.5	200	-16 / 36	0	SOK																																																															
PLEXTOL W 1080			●							Binder for joinery applications with good cold elasticity and low blocking								45	8.0	450 ¹⁾	-18 / 84 ³⁾	0	WOR																																																															
PLEXTOL R 5441		○	●							Low VOC, versatile use for opaque and translucent coatings								49	8.3	1100	-10/10/55 ³⁾	0	STB																																																															

Product Range Protective Coatings Europe. For availability in your region, please contact our local sales staff.

● recommended applications

○ suitable applications

1) Test method ISO 2555 (Brookfield)/ISO 1652 (Brookfield)

2) Test method ISO 3219

3) Multi-phase particles