

An aerial photograph of a city street scene. The street is filled with various vehicles, including cars, vans, and a yellow bus. Buildings of different architectural styles line the street, with some featuring red roofs and others with modern glass facades. Palm trees are visible along the sidewalk. The lighting suggests a bright, sunny day.

**Solutions for the
architectural coatings industry**
Dispersions and formulation additives

 **BASF**
We create chemistry

Styrene acrylics

| Product name | Data | | | | | | | Detailed information (advantages) |
|--------------|--------------------------|----------|---|----------------------------------|-------------------------|--|---|-----------------------------------|
| | solids content (%) +/- 1 | pH value | viscosity (mPa·s) DIN EN ISO 3219 (23°C, 100 1/s) | particle size* ⁴ (µm) | MFFT* ⁴ (C°) | stress at break at 23°C* ⁴ (N/mm ²) | elongation at break at 23°C* ⁴ (%) | |

Styrene acrylics

| | | | | | | | | |
|--|----|------------|------------------------|------|-----|----|---------|--|
| Acronal® S 790 / Acronal® TS 790 | 50 | 7.5 – 9.0 | 700 – 1,500 | 0.1 | 20 | 10 | 400 | broad formulation latitude, exceptional cost performance, APEO-free version of Acronal® 290 D |
| Acronal® 290 D / Acronal® T 290 D | 50 | 7.5 – 9.0 | 700 – 1,500 | 0.1 | 20 | 7 | 500 | broad formulation latitude, exceptional cost performance |
| Acronal® 6292 | 50 | 6.5 – 7.5 | 20 – 100 | 0.17 | 5 | | | low odor, low VOC, ammonia-free, APEO-free, outstanding wet scrub resistance |
| Acronal® S 559 | 50 | 6.0 – 7.5 | 70 – 400 | 0.15 | 3 | 3 | 800 | low odor, low VOC, broad formulation latitude, outstanding waterglass compatibility, ammonia-free, APEO-free |
| Acronal® S 562 / Acronal® S 562 T | 50 | 7.0 – 8.5 | 400 – 1,200 | 0.12 | < 1 | 2 | > 1,100 | excellent cost performance, good flexibility down to -5°C (Tg -8°C), good dirt pick-up resistance, (UV-crosslinking), low water sensitivity, APEO-free |
| Acronal® ECO 6716 / Acronal® ECO 6716 T | 50 | 6.5 – 8.5 | 300 – 1,000 | 0.15 | 22 | 7 | 500 | broad formulation latitude, ammonia-free, APEO-free |
| Acronal® PLUS 6727 | 45 | 9.0 – 11.0 | 20 – 100 | 0.1 | 7 | 12 | 280 | excellent tannin and nicotine blocking; APEO-free state-of-the-art primer for exterior wood coating solutions for Deco and Joinery |
| Acronal® S 813 | 50 | 7.6 – 8.2 | 100 – 250 ² | 0.1 | 28 | 5 | 450 | excellent wet scrub resistance and superior adhesion properties on mineral substrates (also ceramic tiles), with siloxane-functionality, very good water resistance, APEO-free |
| Acronal® ECO 6258 | 50 | 7.5 – 8.5 | 20 – 200 | 0.15 | 3 | 3 | 1000 | low odor, low VOC, broad formulation latitude, good dirt pick-up resistance (UV-crosslinking), ammonia-free, APEO-free |

* The respective product has been evaluated with BASF's Sustainable Solution Steering Method and contributes substantially to sustainability drivers in the value chain.



Detailed application area

Applications

Sustainability Driver*

| exterior paints | textured finishes | concrete protection coatings | exterior insulation and finishing systems EIFS | floor coatings | interior paints | flexible paints | wood paints | wood stains | gloss and satin latex paints | primers | tinters and deep-tone paints | silicate emulsion paints | corrosion protection | joinery coatings | | |
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■ very suitable □ suitable



interior applications



exterior/façade coatings



silicate/silicone/stucco



wood coatings

RC technology

| Product name | Data | | | | | | | Detailed information (advantages) |
|--------------|--------------------------|----------|---|----------------------------------|-------------------------|--|---|-----------------------------------|
| | solids content (%) +/- 1 | pH value | viscosity (mPa.s) DIN EN ISO 3219 (23°C, 100 1/s) | particle size* ⁴ (µm) | MFFT* ⁴ (C°) | stress at break at 23°C* ⁴ (N/mm ²) | elongation at break at 23°C* ⁴ (%) | |

RC technology

| | | | | | | | | |
|---------------------------|------|-----------|-----------|------|-----|----|-----|---|
| Acronal® EDGE 6283 | 42.5 | 7.5 – 9.0 | 100 – 600 | 0.06 | < 3 | 10 | 100 | excellent solution for transparent and opaque systems; superior durability on wood combined with an outstanding blocking resistance at low coalescent demand; high elasticity at low temperatures, very good adhesion; good water barrier properties without compromising on breathability, APEO-free |
| Joncryl® 2560 | 48 | 7.9 | 600 | 0.08 | < 5 | 5 | 200 | broad formulation latitude, excellent elasticity and outdoor durability, high gloss level, blocking resistance, reduces coalescent demand and mud-cracking, APEO-free |
| Joncryl® 8280 | 46 | 8.3 | 200 | 0.07 | 20 | 9 | 110 | broad formulation latitude, improves gloss level, very good durability on wood, APEO-free |
| Joncryl® 8284 | 40 | 9.0 | 120 | 0.07 | < 1 | 7 | 200 | excellent tannin blocking, very good interaction with associative thickeners, APEO-free |
| Joncryl® 8383 | 40 | 8.1 | 80 | 0.07 | 16 | 15 | 80 | broad formulation latitude, excellent balance of surface hardness, blocking resistance and durability on wood, superior wet adhesion, very good water and blushing resistance, ease of defoaming, APEO-free |
| Joncryl® 8387 | 44 | 7.5 – 8.5 | 200 – 800 | 0.08 | < 3 | 13 | 90 | broad formulation latitude, exceptional blocking resistance and wet adhesion, outstanding water and blushing resistance, very good durability on wood, ease of defoaming, APEO-free |

* The respective product has been evaluated with BASF's Sustainable Solution Steering Method and contributes substantially to sustainability drivers in the value chain.



Detailed application area

Applications

Sustainability Driver*

| exterior paints | textured finishes | concrete protection coatings | exterior insulation and finishing systems EIFS | floor coatings | interior paints | flexible paints | wood paints | wood stains | gloss and satin latex paints | primers | tinters and deep-tone paints | silicate emulsion paints | corrosion protection | joinery coatings | | |
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■ very suitable □ suitable

interior applications

exterior/façade coatings

wood coatings

Pure acrylics and opaque polymers

| Product name | Data | | | | | | | Detailed information (advantages) |
|--|--------------------------|-----------|---|----------------------------------|-------------------------|--|---|--|
| | solids content (%) +/- 1 | pH value | viscosity (mPa·s) DIN EN ISO 3219 (23°C, 100 1/s) | particle size* ⁴ (µm) | MFFT* ⁴ (C°) | stress at break at 23°C* ⁴ (N/mm ²) | elongation at break at 23°C* ⁴ (%) | |
| Pure acrylics | | | | | | | | |
| Acronal® EDGE 6295 | 49 | 7.5 – 8.5 | 50 – 400 | 0.13 | 22 | 15 | 200 | acrylic binder leading to outstanding color retention and excellent exterior durability; very good hydrophobicity, broad formulation latitude, APEO-free |
| Acronal® A 684 | 50 | 7.5 – 9.0 | 100 – 400 | 0.1 | 17 | 12 | 250 | broad formulation latitude, excellent wet adhesion properties, APEO-free |
| Acronal® A 754 / Acronal® TA 754 | 48 | 7.5 – 8.5 | 200 – 900 | 0.1 | 17 | 12 | 200 | outstanding blushing resistance, excellent hydrophobicity, for colored aggregates, APEO-free |
| Acronal® PLUS 6257 | 60 | 7.0 – 8.5 | 40 – 200 ² | 0.25 | < 1 | 0.6 | 1,500 | outstanding elasticity down to -20°C, good dirt pick-up resistance (double crosslinking), excellent water protection at good water vapor permeability, ammonia-free, APEO-free |
| Acronal® DS 6262 | 50 | 7.5 – 8.5 | 30 – 200 | 0.2 | 14 | 16 | 100 | superior abrasion resistance, excellent exterior durability, low water uptake and water whitening, very good resistance against chemicals, fuel and oil, self-crosslinking, APEO-free |
| Acronal® DS 6266 | 48 | 7.5 – 8.5 | 80 – 500 | 0.1 | 14 | 10 | 350 | superior weathering resistance, excellent blushing resistance, tack-free films, also for colored aggregates, APEO-free |
| Acronal® ECO 6270 | 50 | 7.0 – 8.5 | 50 – 500 | 0.1 | 2 | 5 | 650 | low odor, low VOC, excellent weathering resistance, high pigment binding power, for low emission paints, ammonia-free, APEO-free |
| Acronal® LR 9014 / Acronal® TX 9014 | 45 | 7.5 – 8.5 | 100 – 400 | 0.08 | < 3 | 8.5 | 110 | broad formulation latitude, very good blocking resistance, very good durability, very good wet adhesion, excellent blushing and alkaline resistance, excellent stain resistance, APEO-free |
| Luhdran® A 848 S | 44.5 | 6.5 – 7.5 | 150 – 250 | 0.07 | 39 | - | - | outstanding surface hardness, excellent resistance to water and blushing, superior resistance to household chemicals, self-crosslinking, APEO-free |
| Opaque polymers | | | | | | | | |
| AQACell® 6299 | 30 | 7.5 – 9.0 | 10 – 500 | - | > 80 | - | - | high scattering organic pigment, broad formulation attitude, increased TiO ₂ efficiency, low odor, ammonia-free, APEO-free |

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Detailed application area

Applications

Sustainability Driver*

| exterior paints | textured finishes | concrete protection coatings | exterior insulation and finishing systems EIFS | floor coatings | interior paints | flexible paints | wood paints | wood stains | gloss and satin latex paints | primers | tinters and deep-tone paints | silicate emulsion paints | corrosion protection | joinery coatings | Applications | Sustainability Driver* |
|-----------------|-------------------|------------------------------|--|----------------|-----------------|-----------------|-------------|-------------|------------------------------|---------|------------------------------|--------------------------|----------------------|------------------|--------------|------------------------|
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interior applications

exterior/façade coatings

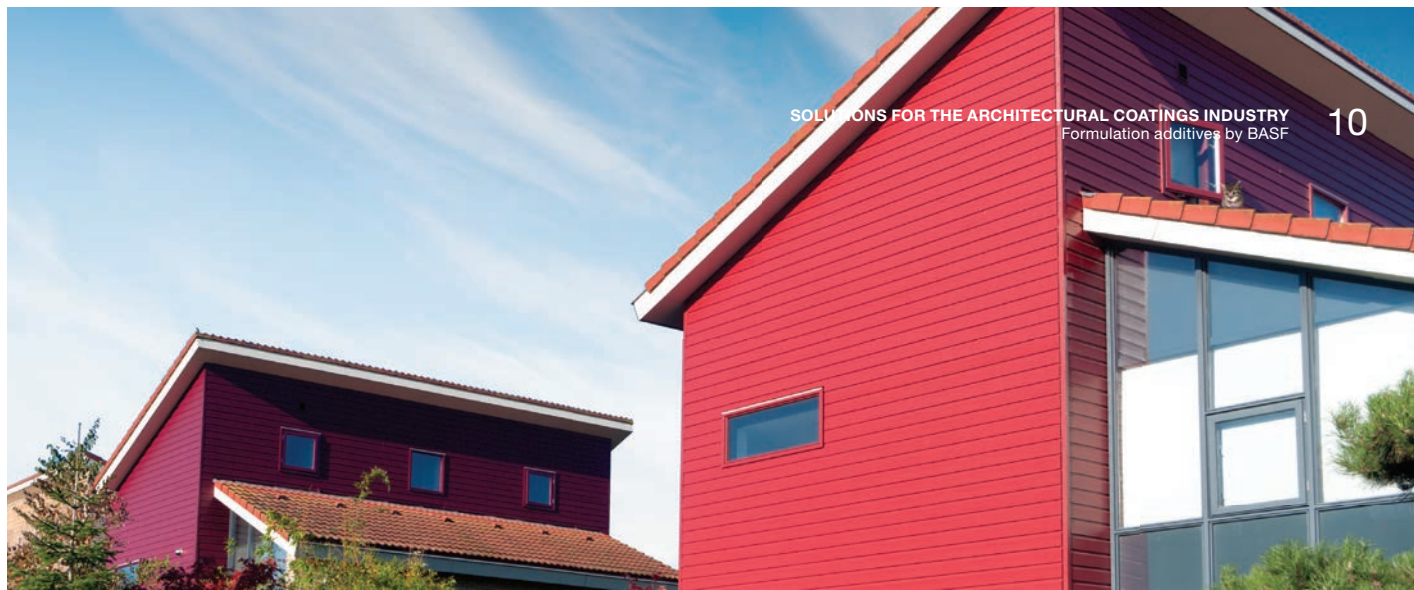
wood coatings

Dispersing agents

Dispersing agents are used to wet and stabilize pigments and other particles within paints and coatings. For formulators, they represent an essential component as they provide color strength, gloss, viscosity stability and prevent sedimentation of particles.

| Product name | Description | Solids (%) | Amine number (mg KOH/g) | Acid value (mg KOH/g) | VOC content (%) | Recommended for low-VOC systems* | high PVC paints | matt / interior |
|--|---|------------|-------------------------|-----------------------|-----------------|----------------------------------|-----------------|-----------------|
| Anionic dispersing agents based on polyacrylic acid | | | | | | | | |
| Dispex® AA 4040 | ammonium polyacrylate polymer | 40 | - | - | < 0.1 | ● | □ | □ |
| Dispex® AA 4140 | sodium polyacrylate polymer | 40 | - | - | < 0.1 | ● | ■ | ■ |
| Dispex® CX 4231 | ammonium polyacrylate (co-)polymer | 30 | - | - | ≤ 1 | ● | | □ |
| Dispex® CX 4320 | sodium salt of carboxylic acid copolymer | 25 | - | - | < 0.1 | ● | ■ | ■ |
| Dispex® CX 4345 | sodium salt of carboxylic acid copolymer | 45 | - | - | < 0.1 | ● | ■ | |
| Low-molecular-weight dispersing agents mainly designed for water-based systems, surfactant-like types | | | | | | | | |
| Dispex® Ultra FA 4404 | chelating agent | 50 | - | - | < 1 | ● | □ | ■ |
| Dispex® Ultra FA 4416 | mixture of surfactants | 75 | - | - | < 2 | ● | | |
| Dispex® Ultra FA 4420 | fatty-acid-modified emulsifier (FAME) | 100 | 35 | 22 | < 1 | ● | | |
| Dispex® Ultra FA 4425 | fatty-acid-modified emulsifier (FAME) | 100 | 47 | 46 | < 1 | ● | | |
| Dispex® Ultra FA 4480 | modified fatty alcohol ethoxylate | 80 | - | - | < 0.1 | ● | | |
| Dispex® Ultra FA 4483 | phosphoric acid ester | 30 | - | 25 | < 0.1 | ● | □ | ■ |
| High molecular weight dispersing agents | | | | | | | | |
| Dispex® Ultra PX 4575 | acrylic block polymer made by controlled free radical polymerisation (CFRP) | 40 | 32 | - | < 1 | ● | | |

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| | | | | | | Recommended for | | Features and benefits | |
|------------------|-------|------------------------|---------------------------------------|-----------|---------|---------------------|-----------------------|---|--|
| silk / semigloss | gloss | wood paints and stains | exterior and elastic paints, plasters | colorants | low-VOC | water-based systems | solvent-based systems | | |
| ■ | □ | □ | ■ | | □ | ● | | standard dispersing agent for inorganic fillers and pigments; low polydispersity leading to most efficient dispersing properties and liquefying effect | |
| ■ | ■ | ■ | ■ | | ■ | ● | | standard dispersing agent for inorganic fillers and pigments; low polydispersity leading to most efficient dispersing properties and liquefying effect | |
| ■ | ■ | ■ | ■ | | | ● | | for inorganic pigments and extenders, improves adhesion and gloss, lowers snail-trail tendency of exterior paints; leads to highest contact angles (e.g. for water-repellent effect paints) | |
| ■ | ■ | ■ | ■ | | ■ | ● | | excellent dispersing performance, improves gloss, improves wet-scrub resistance, improves blocking resistance, excellent ZnO-compatibility | |
| | | | | | | ● | | leads to highest wet-scrub resistance, hydrophobic character | |
| ■ | ■ | ■ | ■ | □ | | ● | | anionic dispersing agent; excellent liquefying effect in inorganic pigment slurry formulations | |
| ■ | ■ | ■ | | | ■ | ● | | wetting and dispersing agent for aqueous formulations; suitable for organic and inorganic pigments and pigment concentrates | |
| | | | | ■ | | ● | ● | dispersing agent for inorganic fillers and pigments; also suitable as codispersing agent with high-molecular-weight dispersing agents; will improve compatibility and color acceptance of universal colorants in base paints | |
| | | | | ■ | | ● | ● | dispersing agent for universal decorative colorants for tinting systems; makes colorants with excellent compatibility and stability | |
| | | | | ■ | | ● | | universal, non-ionic wetting and dispersing agent; powerful alternative to APEOs; improves gloss development, color intensity and color acceptance | |
| ■ | ■ | □ | ■ | ■ | ■ | ● | | universal, anionic wetting and dispersing agent; especially suitable for inorganic pigment concentrates | |
| | ■ | | ■ | ■ | ■ | ● | | VOC-free dispersing agent for water-based systems with benchmark performance in inorganic pigments; excellent overall performance for organic pigments; broad compatibility towards different resin systems; designed for colorants but well suited for grinds into primers, gloss and semigloss paints | |

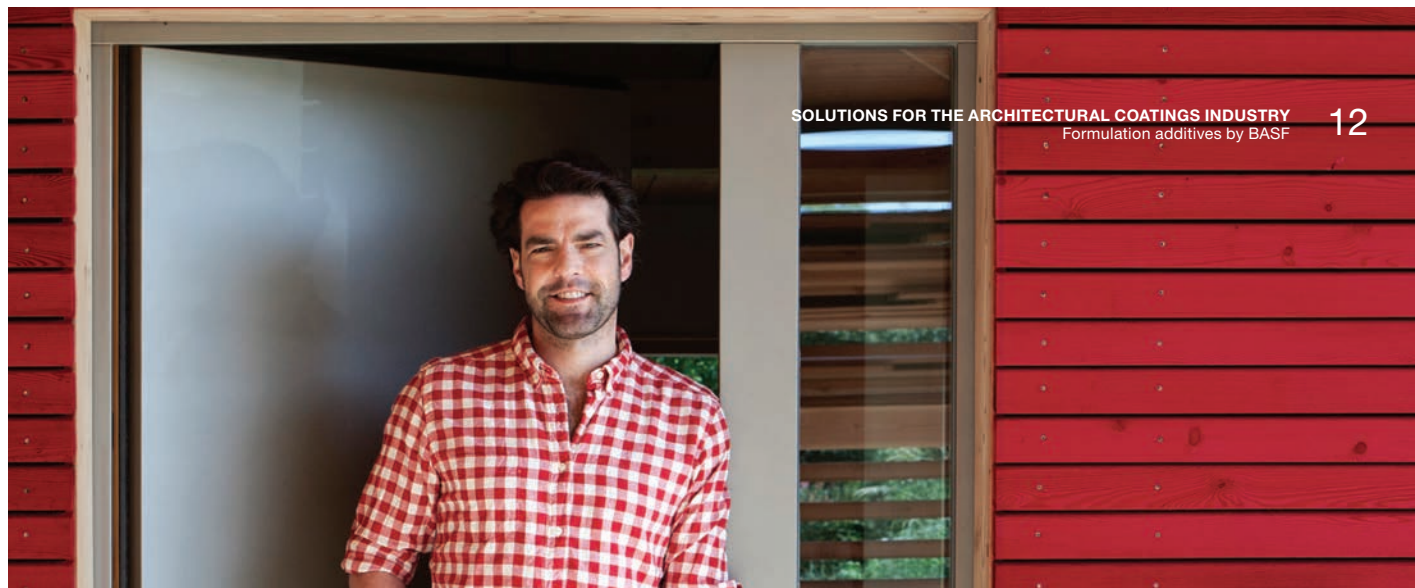
■ very suitable □ suitable

Defoamers

Broad selection of defoamer technologies including products based on mineral or native oils as well as specialty-emulsion defoamers, organo-silicone-based and star-polymer defoamers. Focus on establishing a perfect balance between excellent foam suppression, high compatibility, long-term efficiency, easy handling and environmental compliance in form of low VOC, low S-VOC and low odor solutions.

| Product name | Description | Solids (%) | Incorporation | VOC content (%) | Recommended for low-VOC systems* | high PVC paints | matt / interior |
|--|---|------------|--|-----------------|----------------------------------|-----------------|-----------------|
| Defoamers designed to be used in water-based systems | | | | | | | |
| Foamaster® MO 2134 | mineral oil-based defoamers | 100 | grinding stage / let-down | < 0.1 | ● | ■ | ■ |
| Foamaster® MO 2150 | mineral oil-based defoamers | 100 | grinding stage / let-down | < 0.1 | ● | ■ | ■ |
| Foamaster® MO NDW | mineral oil-based defoamers | 100 | at any stage of the production process | < 0.1 | ● | ■ | ■ |
| Foamaster® MO NXZ | mineral oil-based defoamers | 100 | at any stage of the production process | < 0.1 | ● | ■ | ■ |
| Foamaster® NO 2306 | native oil-based defoamers | 100 | at any stage of the production process | < 0.5 | ● | | ■ |
| Foamaster® NO 2335 | native oil-based defoamers | 100 | grinding stage / let-down | < 0.1 | ● | ■ | ■ |
| Foamaster® WO 2323 | white oil-based defoamers | 100 | grinding stage / let-down | < 0.1 | ● | | ■ |
| FoamStar® ED 2521 | emulsion defoamers | ~ 20 | grinding stage / let-down | < 0.1 | ● | ■ | ■ |
| FoamStar® ED 2522 | emulsion defoamers | ~ 20 | at any stage of the production process | < 0.1 | ● | | □ |
| FoamStar® ED 2523 | emulsion defoamers | 27 | grinding stage / let-down | < 0.1 | ● | ■ | ■ |
| FoamStar® SI 2210 | modified polydimethylsiloxane-based defoamers | 100 | at any stage of the production process | < 0.5 | ● | | □ |
| FoamStar® SI 2216 | modified polydimethylsiloxane-based defoamers | 100 | grinding stage / let-down | < 0.5 | ● | | |
| FoamStar® SI 2250 | modified polydimethylsiloxane-based defoamers | 100 | grinding stage / final production | < 1 | ● | | |
| FoamStar® ST 2438 | star polymer-based defoamers | 100 | grinding stage / let-down | < 0.5 | ● | | □ |

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| | | | | | | | Recommended for | | Features and benefits |
|------------------|-------|------------------------|---------------------------------------|-----------|---------|---------------------|-----------------------|--|-----------------------|
| silk / semigloss | gloss | wood paints and stains | exterior and elastic paints, plasters | colorants | low-VOC | water-based systems | solvent-based systems | | |
| ■ | □ | □ | ■ | | □ | ● | | universal defoamer for aqueous emulsion-based coatings and plasters with outstanding long-term efficiency | |
| □ | | | ■ | | ■ | ● | | very efficient universal defoamer for aqueous emulsion-based coatings and plasters; specifically designed for flat aqueous coatings; exceptional product stability | |
| □ | | | ■ | | □ | ● | | universal defoamer for aqueous emulsion-based coatings and plasters; specifically designed for flat aqueous paints and coatings; high compatibility – does not cause fish eyes | |
| □ | | | ■ | | □ | ● | | universal defoamer for aqueous emulsion-based coatings and plasters; specifically designed for flat aqueous coatings and adhesives; good compatibility – does not cause fish eyes | |
| ■ | □ | ■ | ■ | | ■ | ● | | universal defoamer free from mineral oil and silicone oil; effectively removes micro-foam | |
| □ | | □ | ■ | | ■ | ● | | universal, highly efficient defoamer based on renewable raw materials for emulsion paints; excellent defoamer format to satin-finish aqueous coatings; extremely low SVOC content | |
| ■ | □ | □ | ■ | | ■ | ● | | effective defoamer specifically designed for emulsion paints | |
| ■ | | | ■ | | ■ | ● | | excellent defoamer emulsion for all flat to semigloss aqueous coatings; easy to incorporate; good foam suppression during grinding as well as during application; retains antifoam efficiency even during extended storage; extremely low SVOC content | |
| ■ | ■ | ■ | ■ | | ■ | ● | | high-performance, ultra-low-SVOC silicone emulsion defoamer for premium water-based paints, clear coats and inks; excellent storage stability; extremely low SVOC content | |
| ■ | □ | □ | ■ | | □ | ● | | ultra-low SVOC, emulsion defoamer for medium to high PVC architectural coatings | |
| □ | ■ | ■ | ■ | | ■ | ● | | 100 %-active-content defoamer for non-pigmented and low-pigmented aqueous coatings, printing inks, adhesives and UV-curable systems; provides a strong spontaneous defoaming effect; outstanding long-term defoaming persistency | |
| □ | ■ | | □ | ■ | ■ | ● | | highly effective defoamer for aqueous pigment concentrates and systems with high surfactant content | |
| ■ | | | | ■ | ■ | ● | | water-based coatings and pigment concentrates where high-shear processing or application exists; most effective in the range | |
| □ | ■ | ■ | ■ | | ■ | ● | | silicone-based defoamer for high-quality water-based paints, delivering excellent long-term persistency and foam knock down | |

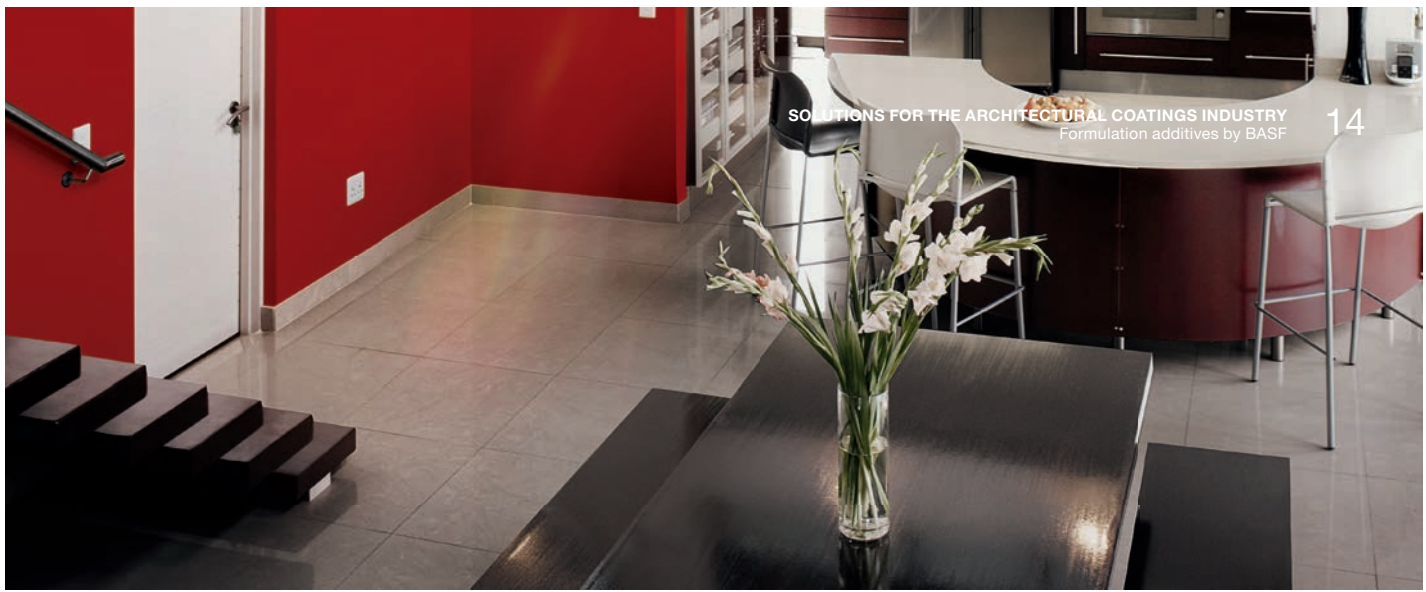
■ very suitable □ suitable

Rheology modifiers

Broad portfolio of synthetic rheology modifiers, including non-ionic associative (HEUR/HMPE), anionic associative (HASE) and non-associative thickener (ASE) technologies. Focus on water-based systems with highly efficient products that provide additional functionality such as wetting properties and health or environmental aspects (low VOC, low odor, free of APEO and heavy metals).

| New product name | Description | | | | | | |
|---|---|------------|-------------------|-----------------|----------------------------------|----------|-----------------|
| | | Solids (%) | Viscosity (mPa.s) | VOC content (%) | Recommended for low-VOC systems* | Tin-free | high PVC paints |
| Rheology modifiers designed to be used in water-based systems | | | | | | | |
| Rheovis® AS 1130 | non-associative thickener: anionic polyacrylate copolymer (ASE) | 30 | ~ 5 | < 0.5 | | ● | ■ |
| Rheovis® HS 1162 | associative thickener: anionic poly-acrylate copolymer, hydrophobically modified (HASE) | 35 | < 50 | < 0.5 | | ● | ■ |
| Rheovis® HS 1169 | associative thickener: anionic poly-acrylate copolymer, hydrophobically modified (HASE) | 30 | < 50 | < 0.1 | ● | ● | □ |
| Rheovis® HS 1152 | associative thickener: anionic poly-acrylate copolymer, hydrophobically modified (HASE) | 40 | < 50 | < 0.5 | | | □ |
| Rheovis® HS 1212 | associative thickener: anionic poly-acrylate copolymer, hydrophobically modified (HASE) | 40 | ~ 5 | < 0.5 | | ● | ■ |
| Rheovis® PE 1330 | associative thickener: hydrophobic modified polyether (HMPE) | 30 | ~ 4,500 | < 0.1 | ● | ● | ■ |
| Rheovis® PU 1190 | associative thickener: hydrophobic modified ethoxylated urethane (HEUR) | 34 | ~ 30,000 | < 1 | ● | ● | ■ |
| Rheovis® PU 1291 | associative thickener: hydrophobic modified ethoxylated urethane (HEUR) | 45 | ~ 3,000 | < 0.1 | ● | ● | ■ |
| Rheovis® PU 1331 | associative thickener: hydrophobic modified ethoxylated urethane (HEUR) | 18 | ~ 4,500 | < 0.1 | ● | ● | ■ |

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| | | | | | | | Recommended for | | Features and benefits | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|-----------|-------------------------------------|---------------------|-------------------------------------|---|--|
| matt / interior | silk / semigloss | gloss | wood paints and stains | exterior and elastic paints, plasters | colorants | low-VOC | water-based systems | solvent-based systems | | |
| <input type="checkbox"/> | | | <input type="checkbox"/> | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | non-associative pure acrylic thickener; highly efficient low-shear thickener; high shear thinning, anti-sagging and anti-settling; used in pigment and filler slurries, but also highly successful in industrial and automotive formulations for spray applications | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | acrylic thickener with associative and non-associative thickening; thixotropic flow behavior; low water uptake; no impact on wet adhesion even after long water contact | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | acrylic thickener with associative thickening; low-shear thickener; spray applications; less water uptake; elongation of open time | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | acrylic thickener with associative thickening; low-shear thickener; spray applications; less water uptake; elongation of open time | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | acrylic thickener with associative thickening; mid-shear thickener; improves flow; excellent efficiency; allround product which can be used in most paint systems | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | excellent high-shear thickener; imparts excellent flow | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | strong low-shear thickener; strong pseudoplasticity | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | next-generation VOC-free mid-shear rheology modifier with excellent ICI thickening and easy handling | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | next-generation high-shear thickener; ultra efficient; best in class ICI performance | |

very suitable suitable

Wetting agents and surface modifiers

Wetting agents and surface modifiers provide a formulation with adequate wetting properties, enhance different component compatibility and/or improve the appearance of a coating surface.

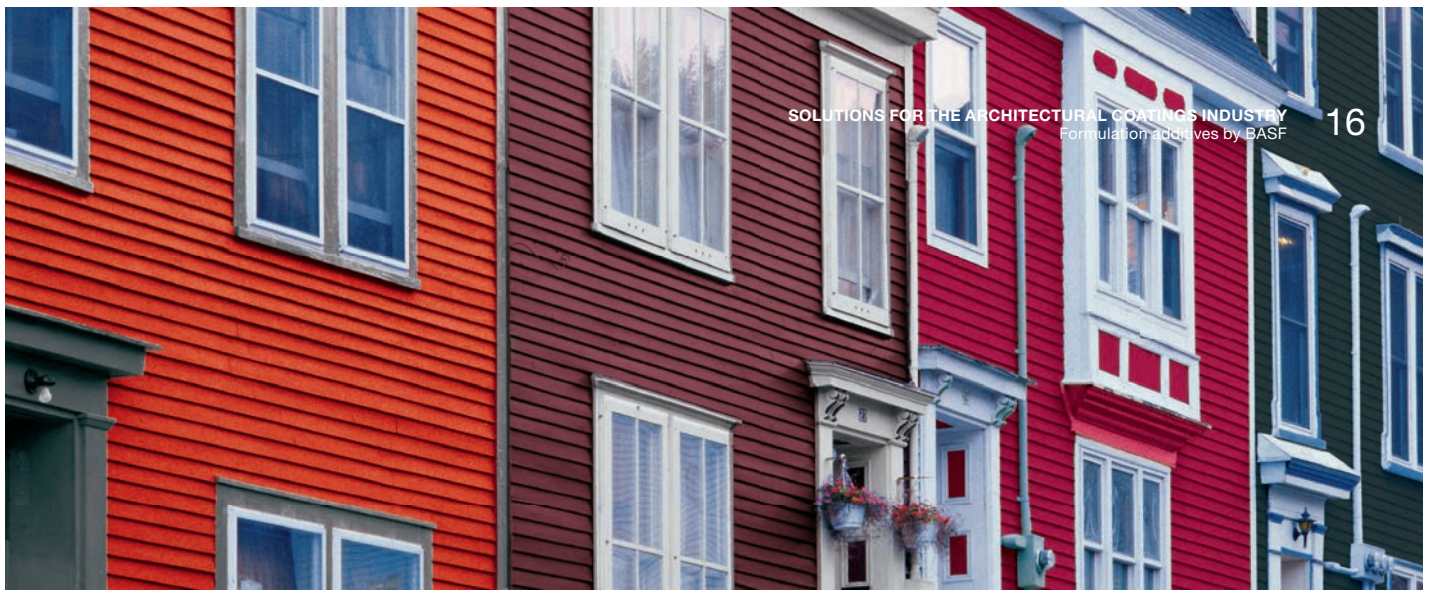
| Product name | Description | Solids (%) | VOC content (%) | Recommended for low-VOC systems* | high PVC paints | matt / interior | silk / semigloss | gloss |
|---|--|------------|-----------------|----------------------------------|-----------------|-----------------|------------------|-------|
| Rheology modifiers designed to be used in water-based systems | | | | | | | | |
| Hydropalat® WE 3221 | blend of organically modified polysiloxane (silicone surfactant) with dipropylene glycol monomethylether | 52 | | | | | ■ | ■ |

Film-forming agents

Film-forming agents are used to support the film-forming process of a paint or coating. Within this product group, BASF offers a high-performance coalescing agent and a complete range of open-time prolongers based on renewable raw materials.

| Product name | Description | Solids (%) | Viscosity (mPa.s) | VOC content (%) | Recommended for low-VOC systems* | high PVC paints | matt / interior | silk / semigloss |
|----------------------|--|------------|-------------------|-----------------|----------------------------------|-----------------|-----------------|------------------|
| Coalescents | | | | | | | | |
| Loxanol® CA 5308 | dicarbonic acid-diisobutyl ester | > 99 | ~ 6 | < 0.1 | ● | | □ | |
| Open-time prolongers | | | | | | | | |
| Loxanol® OT 5840 | aqueous dispersion of oleochemical compounds | 20 | 600 | < 0.1 | ● | | | |
| Loxanol® OT 5853 | aqueous dispersion of oleochemical compounds | 30 | ~ 1,000 | < 0.1 | ● | | | |

* The respective product has been evaluated with BASF's Sustainable Solution Steering Method and contributes substantially to sustainability drivers in the value chain.



| Recommended for | | | | | | | Features and benefits | |
|------------------------|---------------------------------------|-----------|---------|---------------------|-----------------------|--|-----------------------|---|
| wood paints and stains | exterior and elastic paints, plasters | colorants | low-VOC | water-based systems | solvent-based systems | | | |
| ■ | □ | | | ● | | | | silicone surfactant to improve substrate wetting in aqueous systems |

| Recommended for | | | | | | | Features and benefits | |
|-----------------|------------------------|---------------------------------------|-----------|---------|---------------------|-----------------------|-----------------------|---|
| gloss | wood paints and stains | exterior and elastic paints, plasters | colorants | low-VOC | water-based systems | solvent-based systems | | |
| | □ | □ | | ■ | ● | | | outstanding coalescing efficiency; improves wet-scrub resistance; mild odor |
| | | ■ | | | ● | | | open-time prolonger in liquid form; prevents/reduces cracking in resin-based plasters |
| | | ■ | | ■ | ● | | | highly efficient open-time prolonger; prevents/reduces cracking in resin-based plasters; improved storage stability |

■ very suitable □ suitable

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