



 **BASF**
We create chemistry

Making a natural resource a natural beauty.
Transforming needs into solutions for Exterior
Wood Coatings and Trim Paints.



The challenge:

The material wood has accompanied humankind for thousands of years and is today perhaps more topical than ever. Wood conveys security and naturalness, it unites traditional and modern aspects in architecture.

However, wood also places the highest demands on processing and finishing. Because it is a living material. It has to be protected and cared for so that it can unfold its full beauty.



The mission:

We at BASF are here to support you holistically. With our technical expertise and industry know-how, we are constantly working on new solutions and innovations to meet your needs: Durability, workability, formulation latitude, sustainability and enabling a fast production process, we are prepared so you can perform.

Let's make a natural resource, a natural beauty.



Explore our solutions that make a natural resource a natural beauty

Lab Assistant for Architectural Coatings



A **web-based application** that makes it **easier than ever** for you to **find BASF products and formulation ideas** and **use them to create your architectural coatings**.

- Find the right ingredient
- ↓ Get all relevant data
- 📄 Formulate your coating
- 📊 Compare products or formulations
- 💬 Access expert support
- 🛒 Order your sample
- ★ Individualize your own account



Biomass Balance Approach for Architectural Coatings



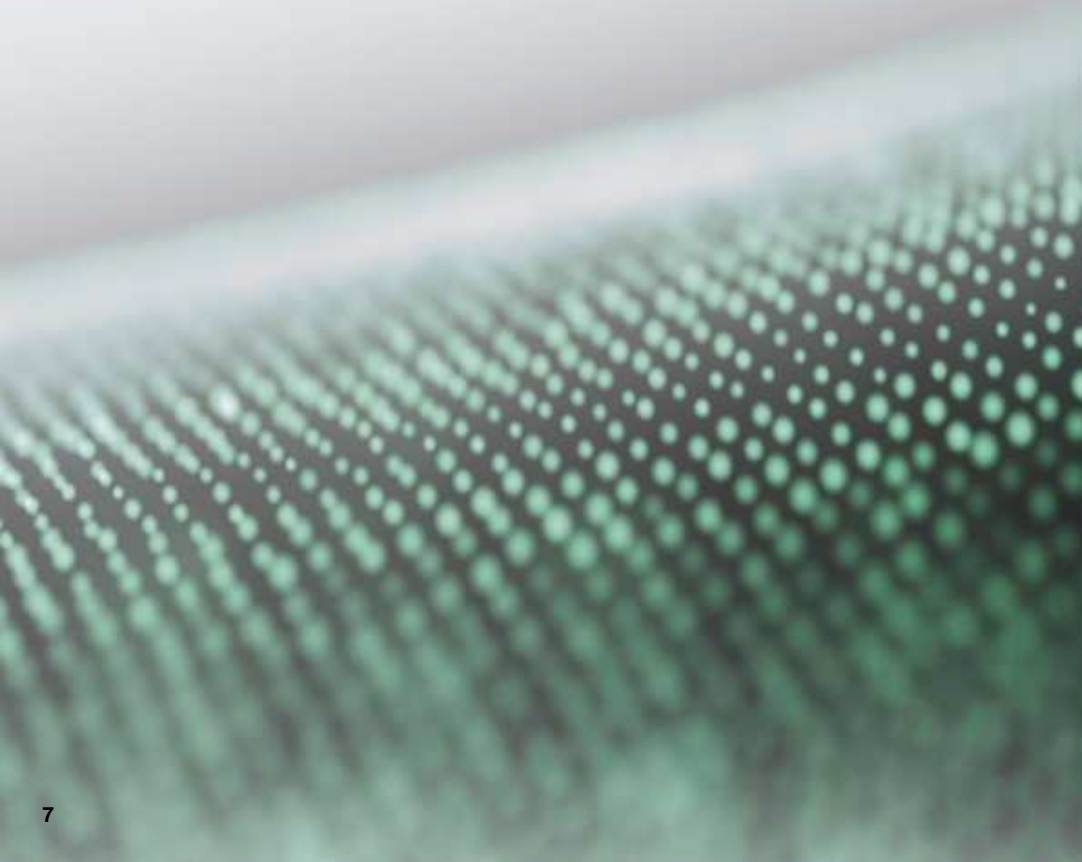
Save fossil resources and CO₂ emissions

- 💧 Drives the use of sustainable renewable resources
- ♻️ Same product performance – no need for reformulation
- 🏠 Independently certified by third party
- 🌱 Surprise your customers with added ecological benefit of your paint!

All our solutions can be biomass balanced



**What's new for wood & house coatings?
Have a look at our additives & dispersions!**










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Acronal® LR 9014



Acronal® LR 9014 is **a fine-sized, aqueous dispersion of a multiphase straight acrylic copolymer with a tailor-made morphology and a special wet adhesion promoter.**

- Broad formulation latitude ranging from joinery to trim paints
- Very good durability

	Application	Trim, Deco, Joinery		Viscosity (mPas)	100 - 400
	MFFT (°C)	< 3		Particle size (µm)	0.08
	Recommended for low VOC systems			Solids content (%)	45%
				pH value	7.5 - 8.5

For the ideal additives package for your specific needs please contact your expert

See it in action:
Modern wood stain of excellent durability



Acronal® EDGE 6283



Acronal® EDGE 6283 is **a self-crosslinking dispersion** that is **tailored to the needs of joinery applications**. It features the surfactant-reduced “Rheology- Controlled” (RC) technology.

- Superior blocking resistance
- Good water resistance



Application	Joinery
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MFFT (°C)	< 3
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Viscosity (mPas)	30 - 500
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Particle size (µm)	0.06
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Solids content (%)	42%
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pH value	7.5 - 8.5
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For the ideal additives package for your specific needs please contact your expert



See it in action:

High build stain of excellent durability and brushability








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Acronal® DS 6277



Acronal® DS 6277 is a **hydrophobic dispersion** of a straight acrylic copolymer with **a wet adhesion promoter**. It is a modern binder with particles with **a tailor-made multiphase morphology**.

- Outstanding durability on wood
- Great value for money for trim and deco wood paints

	Application	Deco, Trim, Joinery		Viscosity (mPas)	10 - 450
	MFFT (°C)	< 3		Particle size (µm)	0.09
	Recommended for low VOC systems			Solids content (%)	48%
				pH value	7.5 - 9.0

Combine Acronal® DS 6277 with our Formulation Additives (e.g. Rheovis® PE 1330, FoamStar® SI 2210, Hydropalat® WE 3221) to optimize formulation properties

See it in action:
Fit for purpose DIY stain



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AQAGLOSS®



AQAGloss® is an anionic acrylic/alkyd hybrid.

- Water borne binder with alkyd-like workability
- Allows to formulate coatings that meet European VOC Directive 2010



Application **Trim**



MFFT (°C) **< 1**



Recommended for low VOC systems



Viscosity (mPas) **40 - 300**



Particle size (µm) **0.1**



Solids content (%) **42%**



pH value **7.0 - 8.5**

For the ideal additives package for your specific needs please contact your expert

See it in action:
High-gloss waterborne decorative coating



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Joncryl® 8383



Joncryl® 8383 is **a rheology controlled aqueous dispersion** of an acrylic self-crosslinking polymer.

- Universal usage due to broad formulation latitude
- Excellent balance of surface hardness, elasticity and durability



Application	Joinery (Trim)
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MFFT (°C)	16
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Viscosity (mPas)	20 - 200
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Particle size (µm)	0.07
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Solids content (%)	40%
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pH value	7.5 - 8.5
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For the ideal additives package for your specific needs please contact your expert

See it in action:



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Joncryl® 8387



Joncryl® 8387 is a **rheology controlled, self-crosslinking dispersion** of an acrylic polymer **tailormade for industrial exterior wood applications.**

- Excellent blocking resistance
- Outstanding durability and good water resistance



Application	Joinery
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MFFT (°C)	< 3
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Viscosity (mPas)	200 - 800
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Particle size (µm)	0.08
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Solids content (%)	44%
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pH value	7.5 - 8.5
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For the ideal additives package for your specific needs please contact your expert

See it in action:






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Acronal 6323

Acronal 6323 is a ultra small particle sized, multi phase dispersion specifically designed to fulfil the needs of the joinery industry (e.g. window frames, doors). It meets all general requirements of this industry and outperforms in

- ★ Exceptionally strong performance on **challenging surfaces** like **larch** or **glue spots**
- 💧 Superb **wet adhesion** on all major **primer** types like PU, Alkyd or Acrylates
- ⚙️ High **compatibility** with all major formulation **additives**

	Application	Joinery		Viscosity (mPas)	50 - 400		Solids content (%)	42%
	MFFT (°C)	< 1		Particle size (µm)	0.04		pH value	7.5 - 8.5

Note: The statements in this publication are based on our present technical knowledge and experience. They do not relieve processors and users of the responsibility of carrying out their own tests and experiments as many factors that could influence the results may arise during processing and application, neither do they imply any legally binding assurance of certain properties of suitability for a particular purpose. Any proprietary rights have to be respected. **Products names are usually registered trademarks of their respective owners**

Selected Product Overview

Joinery

Component	Product name
Dispersion	Acronal® EDGE 6283
Dispersion	Acronal® LR 9014
Dispersion	Joncryl® 8387
Dispersion	Acronal® DS 6277
Dispersion	Acronal® 6312
Dispersion	Joncryl® 8284
Dispersion	Acronal® 6327
Dispersion	Acronal® 6322
Dispersion	Acronal® 6323

Wood Deco & Cladding

Component	Product name
Dispersion	Acronal® EDGE 6283
Dispersion	Acronal® DS 6277
Dispersion	Acronal® LR 9014
Dispersion	Acronal® A 754
Dispersion	Acronal® A 684
Dispersion	Acronal® PLUS 6288
Dispersion	AQAGloss®

Trim Paints

Component	Product name
Dispersion	Acronal® LR 9014
Dispersion	AQAGloss®
Dispersion	Joncryl® 8280

Opacity Toolbox

Control cost of opacity and lower your CO₂ footprint

This unique modular system provides extended formulation latitude, ease of substitution and savings in raw material cost while retaining coverage

The optimum combination of all three components can save 25 to 30 wt. % of TiO₂

Opacifier	AQACell® HIDE 6399
Dispersion	Acronal® HIDE 6296 Acronal® HIDE 6610 X
Dispersing Agent	Dispex® HIDE AA 4545 Dispex® HIDE CX 4542

Combine it with AQACell® HIDE 6299 and Dispex® HIDE AA 4545 or Dispex® HIDE CX 4542 to control cost of opacity and lower your CO₂ footprint



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