



We create chemistry

# Powering Up Your Formulations

with Performance and Formulation Additives for  
**ARCHITECTURAL COATINGS**



# Agenda



- 1 BASF Pioneer in Sustainability
- 2 Sustainability Product Recommendations
- 3 Industry Segments Product Guides
- 4 Highlight Products (Launches)
- 5 Summary



# Our large portfolio enables solutions for various industries

## Formulation Additives



Dispersing Agents



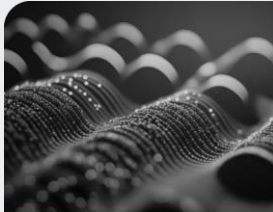
Defoamers



Rheology Modifiers



Wetting Agents & Surface Modifiers



Film-forming Agents

## Performance Additives



UV Absorbers



Radical Scavengers



Antioxidants



BASF is the premiere provider of **Performance & Formulation Additives** for the paints and coatings industry



Architectural Coatings



Industrial Coatings



Automotive Coatings



Furniture & Flooring



Adhesives



Construction



Printing & Packaging



Composites

# Carbon Management: BASF's path to climate neutrality in 2050

## CO<sub>2</sub> reduction



- Reduce the emissions along the value chain
- Derive the PCFs of our products

## The Biomass Balance Approach



- Enables carbon footprint reductions
- Without compromising the product's final properties

## Sustainable Transport Solutions



- Gaining transparency on transport emissions
- Working with suppliers to achieve measurable improvements

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# Sustainability Differentiation – Architectural

	Dispersing Agents	Defoamers	Rheology Modifiers	Wetting Agents and Surface Modifiers	Film-forming Agents	Light Stabilizers
Low odor	Dispex® AA 4140 Dispex® CX 4320	FoamStar® ED 2521 FoamStar® ED 2522 FoamStar® ED 2523	Rheovis® PE 1330/31 EC Rheovis® PU 1291 Rheovis® PU 1340/41 EC Rheovis® PU 1331	Efka® SL 3230 Efka® SL 3299 Hydropalat® WE 3120 Hydropalat® WE 3130 Hydropalat® WE 3220	Loxanol® CA 5336	
Eco-labels	Dispex® CX 4231 Dispex® CX 4320 Dispex® Ultra FA 4484 Dispex® Ultra FA 4488 Dispex® Ultra PX 4522 Dispex® Ultra PX 4525 Dispex® Ultra PX 4575	Foamaster® NO 2306 Foamaster® NO 2331 Foamaster® NO 2335 FoamStar® ED 2521 FoamStar® ED 2522 FoamStar® ED 2523	Rheovis® AS 1125 Rheovis® HS 1153 Rheovis® HS 1212 Rheovis® HS 1303 EB Rheovis® PU 1192/93 Rheovis® PU 1291 Rheovis® PU 1340	Efka® WE 3110 Hydropalat® WE 3120 Hydropalat® WE 3220 Hydropalat® WE 3625 Hydropalat® WE 3650 Hydropalat® WE 3966	Loxanol® CA 5336	Tinuvin® 1130 ECO Tinuvin® 123-DW ECO
Durability	Dispex® CX 4231 Dispex® CX 4248 Dispex® CX 4320	Foamaster® MO 2134 Foamaster® NO 2331 FoamStar® ST 2410 FoamStar® ST 2438		Efka® SL 3230 Efka® SL 3299 Hydropalat® SL 3683	Loxanol® CA 5336	Tinuvin® 292 Tinuvin® 1130 ECO Tinuvin® 123-DW ECO Tinuvin® 249-DW ECO
Renewables	Dispex® Ultra FA 4437 Dispex® Ultra FA 4488	Foamaster® NO 2306 Foamaster® NO 2331 Foamaster® NO 2335 FoamStar® ST 2438	Rheovis® PU 1192	Hydropalat® WE 3120 Hydropalat® WE 3127 Hydropalat® WE 3130 Hydropalat® WE 3625	Loxanol® CA 5336 Loxanol® OT 5488 Loxanol® OT 5840 Loxanol® OT 5846 Loxanol® OT 5853 Loxanol® OT 5900	Tinuvin® 292 Tinuvin® 123-DW ECO
Biocide-free	Dispex® AA 4140 Dispex® CX 4231 Dispex® CX 4248 Dispex® CX 4320 Dispex® Ultra FA 4437 Dispex® Ultra FA 4488 Dispex® Ultra PX 4525	Foamaster® MO NXZ Foamaster® MO 2150 FoamStar® ST 2410 FoamStar® ST 2438	Rheovis® PU 1193	Efka® SL 3258 Efka® SL 3299 Efka® WE 3110 Hydropalat® WE 3111 Hydropalat® WE 3120 Hydropalat® WE 3165 Hydropalat® WE 3323		



# Examples of additives for architectural with renewable content



Hydropalat® WE 3625	100%
Foamaster® NO 2331	98%
Loxanol® OT 5853	80%
Loxanol® MI 6470	63%
Dispex® Ultra FA 4488	59%
Rheovis® PU 1192	22%

All measurements reflect approximate values based on ASTM D6866-18 (method B)

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# Focus products for architectural coatings

	Dispersing Agents		Defoamers	Rheology Modifiers	Wetting Agents & Surface Modifiers	Miscellaneous	Performance Additives	
	High molecular weight	Low molecular weight						
Water-based	<b>Dispex®</b> AA 4040 AA 4140 AA 4141 AA 4144 CX 4231 <b>CX 4248</b> CX 4320 <b>CX 4348</b> HIDE CX 4540 <b>Dispex® Ultra</b> <b>CX 4452</b> <b>PX 4290</b> PX 4575 PX 4585	<b>Dispex® Ultra</b> FA 4420 FA 4425 FA 4437 FA 4480 FA 4483 FA 4484 FA 4488	<b>Foamaster®</b> MO 2111 MO 2134 MO 2150 MO 2152 <b>MO 2157</b> <b>MO 2159</b> MO 2172 MO 2185 MO 2190 MO NXZ MO NDW <b>NO 2331</b>	<b>FoamStar®</b> ED 2522 <b>ED 2528</b> SI 2250 SI 2292 ST 2410 ST 2412 ST 2434 ST 2438 ST 2445 ST 2446	<b>Rheovis®</b> AS 1110 AS 1125 <b>HS 1153</b> HS 1181 <b>HS 1184</b> <b>HS 1185</b> HS 1212 <b>HS 1276</b> <b>HS 1303</b> HS 1332  <b>Attagel®</b> 40 50	<b>Hydropalat®</b> WE 3111 WE 3147 WE 3165 WE 3189 WE 3221 WE 3311 WE 3320 WE 3323	<b>Loxanol®</b> CA 5140 CA 5308 CA 5310 <b>OT 5853</b> OT 5900 <b>MI 6311</b> <b>MI 6727</b>	<b>Tinuvin®</b> 123-DW ECO 249-DW ECO 400-DW ECO 479-DW ECO 5333-DW ECO 9945-DW ECO          <b>Lignostab®</b> <b>530</b>
Solvent-based	<b>Efka®</b> PU 4009 PU 4010 PU 4063	<b>Efka®</b> FA 4600 FA 4608 FA 4663	<b>Efka®</b> PB 2001 PB 2020			<b>Efka®</b> FL 3740 FL 3741 SL 3030		<b>Tinuvin®</b> 249 1130 5100 5151
Universal / UV Systems		<b>Dispex® Ultra</b> FA 4420 FA 4425 FA 4431			<b>Efka®</b> SL 3288 SL 3299			

New products

# Architectural market segments

## Exterior Coatings



Coatings for the outside of buildings

- **Façade dispersion paint**
- **Silicate paint**
- ....

## Interior Coatings



Coatings for the inside of buildings

- **Interior wall paint**
- **Kitchen paint**
- ....

## DIY Wood Coatings



Wood coatings for “Do it yourself” (DIY) purposes

### Joinery

- Spray application
- Wooden windows/ doors

### Trim Paints

- Universal solutions for wood coatings

### Wood decorative coatings

- Wooden facades
- Terrace decking
- Industrial claddings

# Architectural Coatings trends – BASF Highlight Products

## Coatings trends

Improved **performance & durability** of coatings



*Defoamers*

**FoamStar®**  
ED 2528

*Dispersing Agents*

**Dispex®**  
CX 4248/4348  
HIDE CX 4540

*Rheology Modifiers*

**Rheovis®**  
HS 1153  
HS 1276  
HS 1185  
PU 1192

*Miscellaneous*

**Loxanol®**  
MI 6272

*Light Stabilizers*

Improved **sustainability** (regulatory, low VOC, CO<sub>2</sub>)



**Rheovis®**  
HS 1303 EB  
HS 1184

**Loxanol®**  
MI 6311

**Tinuvin®**  
249 DW-ECO

Reduced **cost** of painting



**Foamaster®**  
MO 2157  
MO 2159

**Dispex® Ultra**  
PX 4290

**Rheovis®**  
HS 1153



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# Highlight Products (1/2)

incl. latest launches



## Dispex® CX 4248/ CX 4348

Hydrophobic dispersants for improved coatings properties



## Dispex® Ultra PX 4290

High molecular weight dispersing agent for organic (and inorganic) pigments in aqueous coating systems



## Dispex® Ultra PX 4585

Excellent color development and jetness in carbon black



## Rheovis® HS 1153 & 1162

HASE thickeners to boost low shear viscosity



## Rheovis® PU 1192/1193

Highly efficient, exceedingly pseudoplastic rheology modifiers



## Rheovis® HS 1303 (EB)

Highly efficient HASE rheology modifier for interior/exterior architectural paints

# Highlight Products (2/2)

incl. latest launches



## FoamStar® ED 2528

High performance emulsion deaerator based on modified silicone



## Foamaster® NO 2331

Environmentally sound, natural oil-based alternative to mineral oil defoamers with extreme broad food contact compliance



## Tinuvin® DW ECO

Highly efficient light stabilizers enabling eco-labeled paints



## Loxanol® MI 6311

Excellent formaldehyde scavenger



## Loxanol® MI 6727/

Our specially designed additives allowing extension of the paint season



## Loxanol® OT 5853

Effective open time prolonger with crack bridging benefit



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# BASF Formulation and Performance Additives

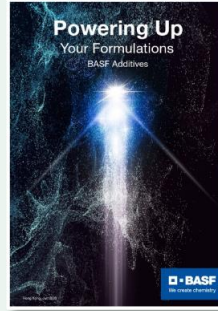
## Powering Up Your Formulations with cutting-edge expertise



### Designed to simplify your lab life.

– Explore. Formulate. Collaborate.

BASF Lab Assistant is a web-based application that makes it easier for you to learn more about **Performance and Formulation Additives**.



### [Global Product Catalogue](#)

The comprehensive global catalogue featuring BASF Performance and Formulation Additives products.



### Sustainability Presentation

With our sustainable measures and our renewable additives portfolio we are ready to Power Up your transformation towards sustainable growth.



### Industry Presentation

Dedicated solution for specialized industry:

- Architecture
- Automotive
- Industrial
- Industrial Wood
- Printing & Packaging





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# Disclaimer

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- **Safety**

When handling the mentioned products, please comply with the advice and information given in the safety data sheets and observe protective and workplace hygiene measures adequate for handling chemicals.

- **Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.