

Futurecryl water-based coatings system

**Discover the future**



Futurecryl

[futurecryl.zweihorn.com](http://futurecryl.zweihorn.com)

**AkzoNobel**

## It's the right time to make the switch to water-based coatings!

Thanks to the use of an exclusive additive, our global development team has developed a water-based coatings system that now sets a new standard worldwide. This quantum leap by our development labs achieves a level of quality that outshines everything that has come before it.

↗ Best in class chemical resistance

↗ Excellent scratch resistance

↗ Outstanding stacking properties

↗ Ultra fast drying



Futurecryn

# Make the switch!





## For the sake of the future

Water-based coatings are the future: since their volatile components consist mostly of water, they offer an eco-friendly alternative to traditional solvent-based coatings.

As an AkzoNobel brand, Zweihorn® is focused on minimising the impact on our environment and society, and actively supports the sustainability programs being pursued by the Group.

🔍 Pollutant emissions (VOCs)

🔍 Best practice for spray room

⊕ Sustainable resources

⊕ Healthy working conditions



Zweihorn® supports the sustainability program run by the AkzoNobel Group. The aim here is to generate greater value while reducing the resource footprint and to successfully utilise the opportunities that this creates.

AkzoNobel has for many years always been in one of the leading positions of the DOW Jones Sustainability Index.

**Best in class  
chemical resistance**

Until now, solvent-based coatings have been the gold standard for chemical resistance.

That's now history, because the (r)evolution has started: as 1C applications, Futurecryl coatings achieve the same chemical resistance as 2C solvent-based coatings!

Our new FuturecrylColor paint easily meets the requirements of DIN 68861 1B – even though it is a one-component coating. Thanks to the use of PW 4000 – a new, non-toxic performance enhancer for water-based coatings – you can also achieve maximum protection against aggressive solvents.

There's simply nothing better!






**Improved  
PVC stability**

As 1C coatings, the Futurecryl varnishes and FuturecrylColor colour paints achieve the same PVC stability that many water-based coatings on the market only achieve in a 2C application.

**Zweihorn® Futurecryl**

Red wine	Coffee	Black tea
Excerpt of DIN 68861 1B chemical resistance test performed on a surface treated with Futurecryl-Color insulating filler (FCC-IF) and Futurecryl-Color paint (FCC/white).		
	Blackcurrant juice	Mustard

**Competing product**

		
Red wine	Coffee	Black tea
Excerpt of DIN 68861 1B chemical resistance test performed on a surface treated with 1C water-based colour paint (market standard).		
		
Blackcurrant juice	Mustard	



# Perfectly protected!

## No chance for substances that stain!

With the high-quality interior fit-outs typical of modern kitchens, dining areas or bathrooms, it is especially important that furniture is treated with a chemical-resistant coating. Compared to conventional, commercially-available competing products, Futurecryl water-based coatings offer the very best chemical resistance available, providing long-lasting protection to surfaces with only a one-component application.



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## First-class protection against scratches and wear!

All painted furniture surfaces require long-lasting protection against scratches and wear. Futurecyl water-based coatings offer outstanding hardness and are therefore very hard-wearing. The excellent metal marking resistance offered by FuturecylColor paints also offers long-term protection even without a varnish coat.

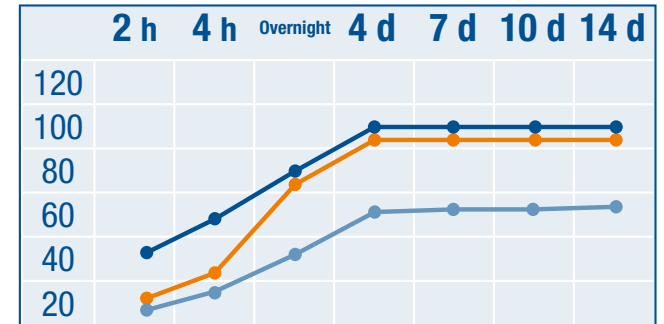
# Extremely hard-wearing!





## ↗ Outstanding hardness

The Futurecryl coating system achieves an outstanding hardness grade. As one example, the FuturecrylColor 1C water-based paint FCC/white achieves a higher hardness grade faster than 2C solvent-based paints. And this grade stays slightly higher than the value for the solvent-based paint.



● FuturecrylColor FCC/white  
● Water-based paint (market standard)  
● Solvent-based paint (market standard)

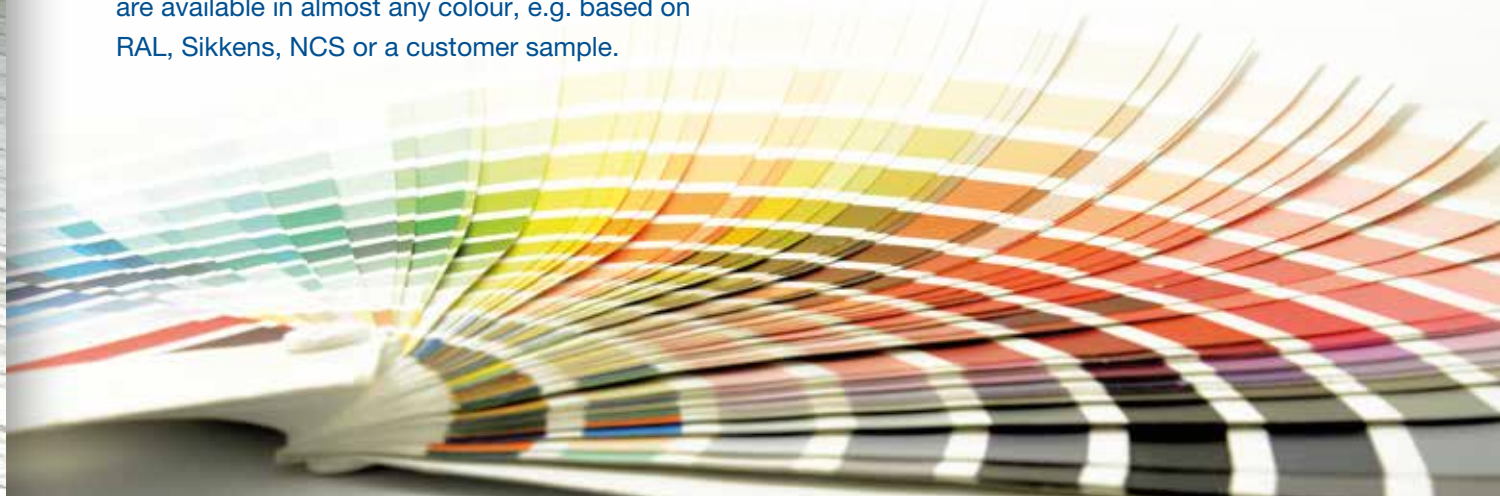
## ↗ Very good metal marking resistance

The new FuturecrylColor water-based colour paints also offer outstanding metal marking resistance – even as a 1C application.



## ⓘ Colour paint mixing system

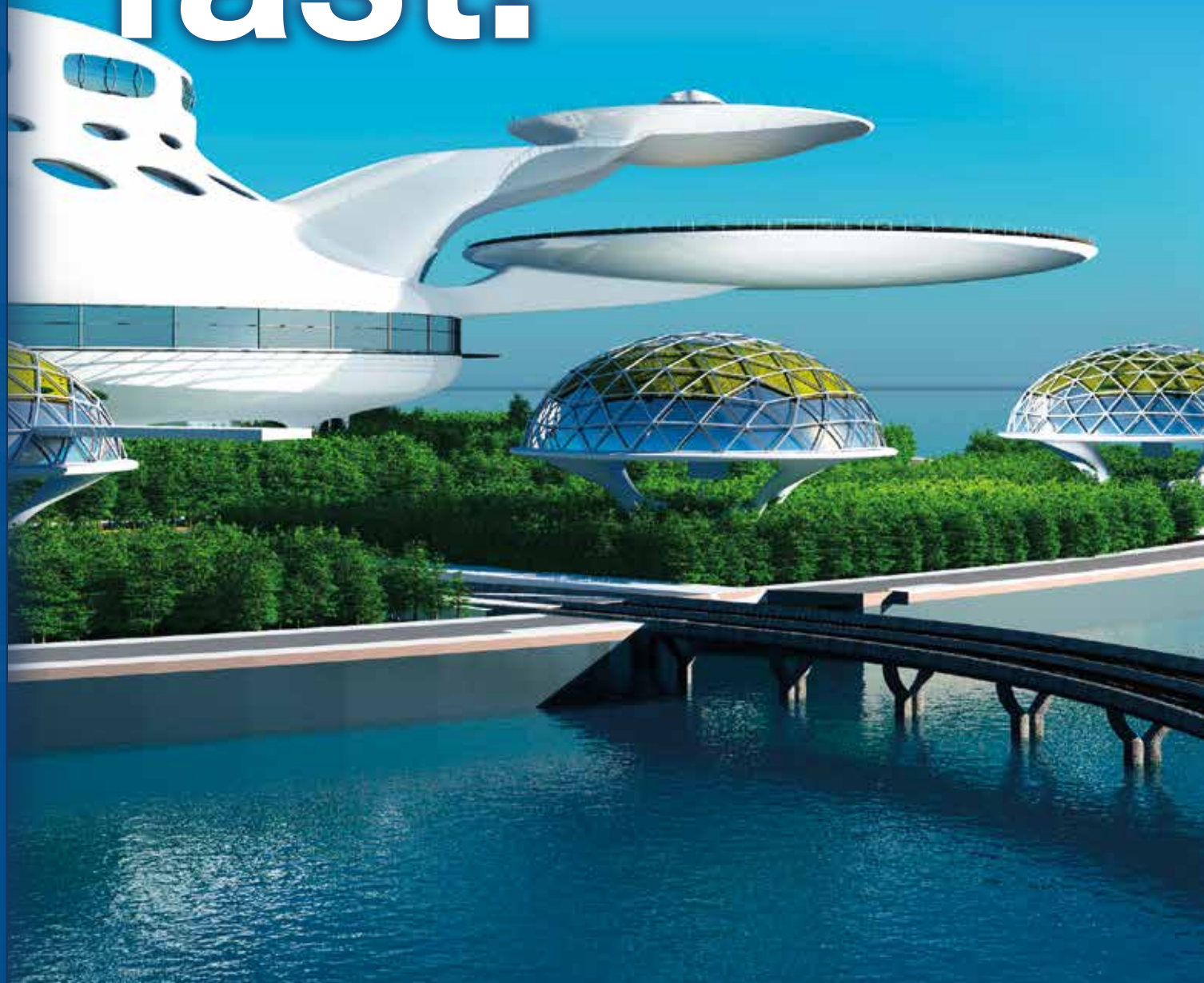
All FuturecrylColor water-based colour paints are available in almost any colour, e.g. based on RAL, Sikkens, NCS or a customer sample.



## Time savings offer top performance

Alongside quality, time is a decisive factor for competitive success. This is an area where we have made huge progress, and have cut the drying time required for Futurecryl varnishes and FuturecrylColor paints by no less than 50%. This helps you to improve your productivity by making it possible for you to complete more orders within the same time frame.

# Ultra fast!



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**Ultra fast  
drying**

## The fastest water-based coating of all time

Many companies have delayed the switch to water-based coatings because of longer drying times.

But Futurecryl water-based coatings can be sanded or painted/varnished after just 2 hours – even when dried at normal room temperatures. And even this short drying time can be cut in half if you raise the temperature by just 4 °C. Even conventional solvent-based coatings are not any faster!



	Zweihorn® Futurecryl	Standard coating	
		Water-based	Solvent-based
<b>Drying times</b> 20 °C/65%	<b>2–3 h</b>	<b>4–6 h</b>	<b>1–3 h</b>
<b>Accelerate with*</b>			
+4 °C temp.	<b>1–2 h</b>		
Air circulation	<b>1–2 h</b>		

\* According to a technician's report published by the Melle Technical College for Wood Technology in 2011, these simple and inexpensive options were available for accelerating the drying times (a fan costs only about EUR 35, for example). You will find an extract of the engineer work on our website under downloads.



**Outstandingly  
non-blocking finish**

## Faster stacking and transportation

Previous water-based coatings needed longer drying times before you could stack the painted/varnished surfaces.

Futurecryl water-based coatings can be stacked after around 6 hours and transported on the next working day without any worries.



## The future-proof product range!

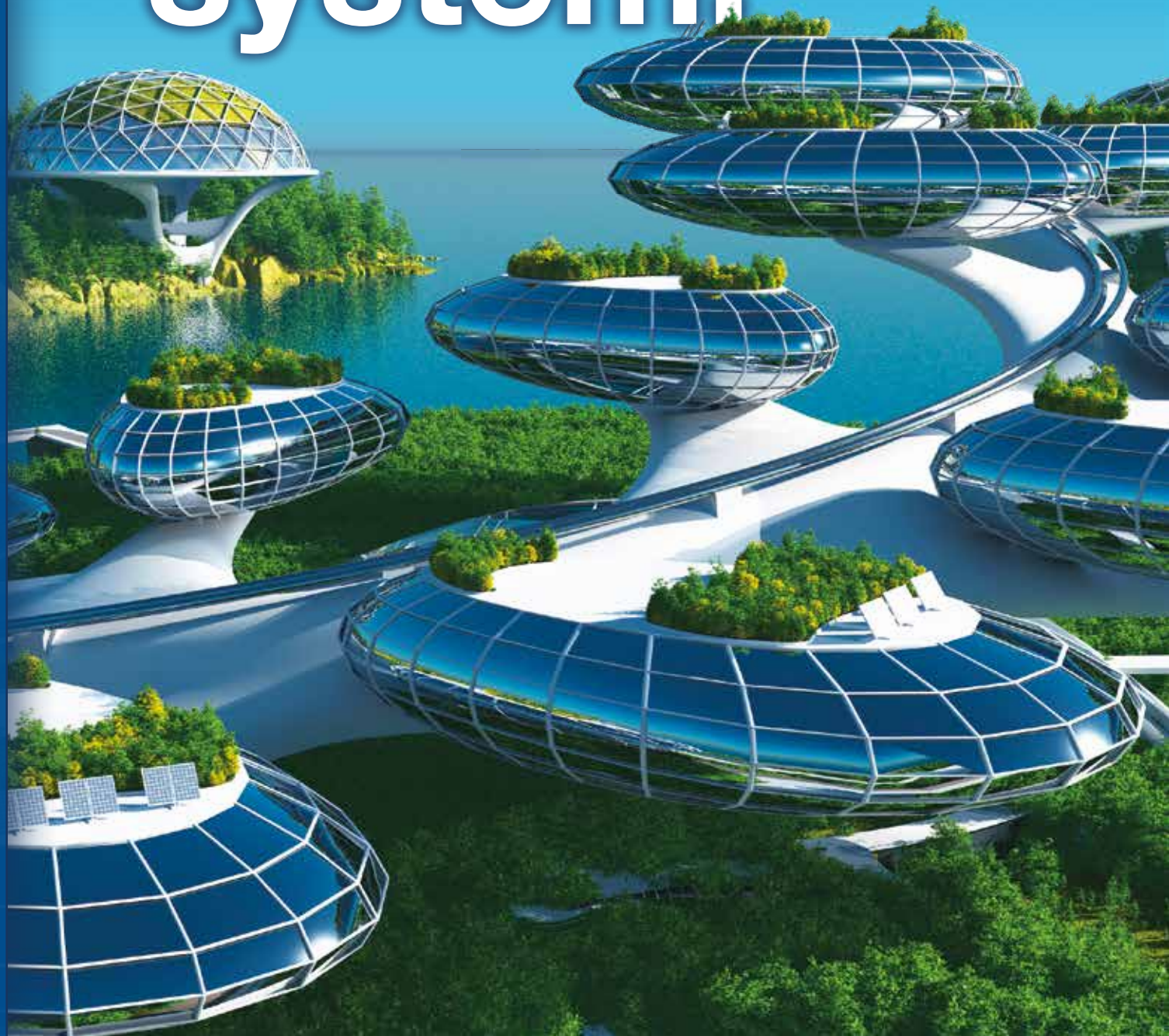
To provide first-class protection for all of your surfaces, **Zweihorn®** offers you a complete, future-proof range of water-based coatings. All of the components in this system are carefully coordinated to ensure the perfect finish.

- ↻ FuturecrylColor Insulating Filler FCC-IF
- ↻ FuturecrylColor Colour Paint FCC
- ↻ Futurecryl Brightening Sealer FC-AG
- ↻ Futurecryl Varnish FC 8,9,0
- ↻ Futurecryl Deep Matt Varnish FC-TM
- ↻ Performer Water-Based Coating PW 4000



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# A guaranteed system!





## Strong. Stronger. Performance enhancer for water-based coatings

It's a familiar problem: many curing agents have hazardous substance labelling and must therefore be handled carefully and locked away when not in use. That's now history!

The **PW 4000 performance enhancer for water-based coatings** is a **non-toxic** additive that further boosts the performance of the Futurecryl/FuturecrylColor water-based paints and varnishes!

As one example, they can be used to finish the surfaces in wet rooms that need to have a very high level of resistance.





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