

EMD  
PERFORMANCE  
MATERIALS

# irresistable FORCE

XIRALLIC® NXT TIGRIS BLUE  
PRODUCT INFORMATION



Xirallic® **NXT**



The background of the entire image is a close-up of water droplets on a surface, creating a textured, sparkling effect. Overlaid on this are large, solid blue abstract shapes that curve and flow across the frame, creating a modern, organic feel.

# ETERNAL esthetic

- Neutral blue color
- Clear color in down flop
- High purity
- High sparkle



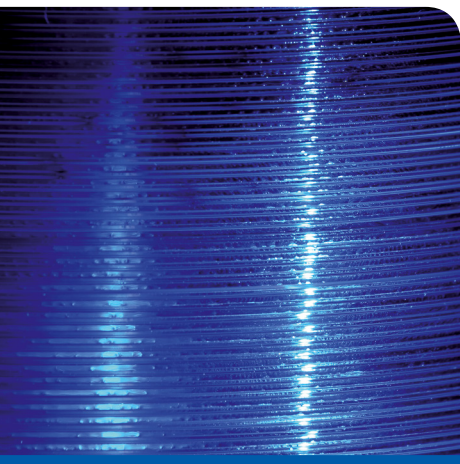
# XIRALLIC® NXT TIGRIS BLUE

Its aura continually captures the center of attention. The extraordinary presence of inner strength, daring superiority and exceptional power merge into an esthetic from which one can never get enough.

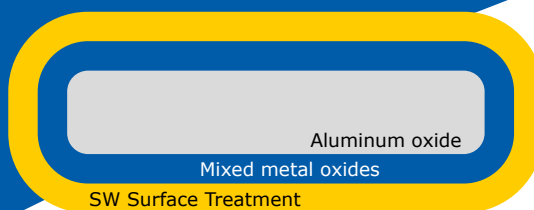
## HARMONIOUS CONTRASTS, HEAVENLY DEPTH.

**Xirallic® NXT Tigris Blue adds very exciting facets – impressive depth and high brilliance – to the color blue's character.**

These facets express themselves in fascinating color compositions with a unique look that magically attracts both rays of light and admiring glances. With its unique pigmentation, the new neutral blue lends under any light conditions a harmonious color play to elegant black stylings as well as deep blue stylings. Black and blue have come so close together never before and led the eye on a never-ending journey.



limitless  
brilliance

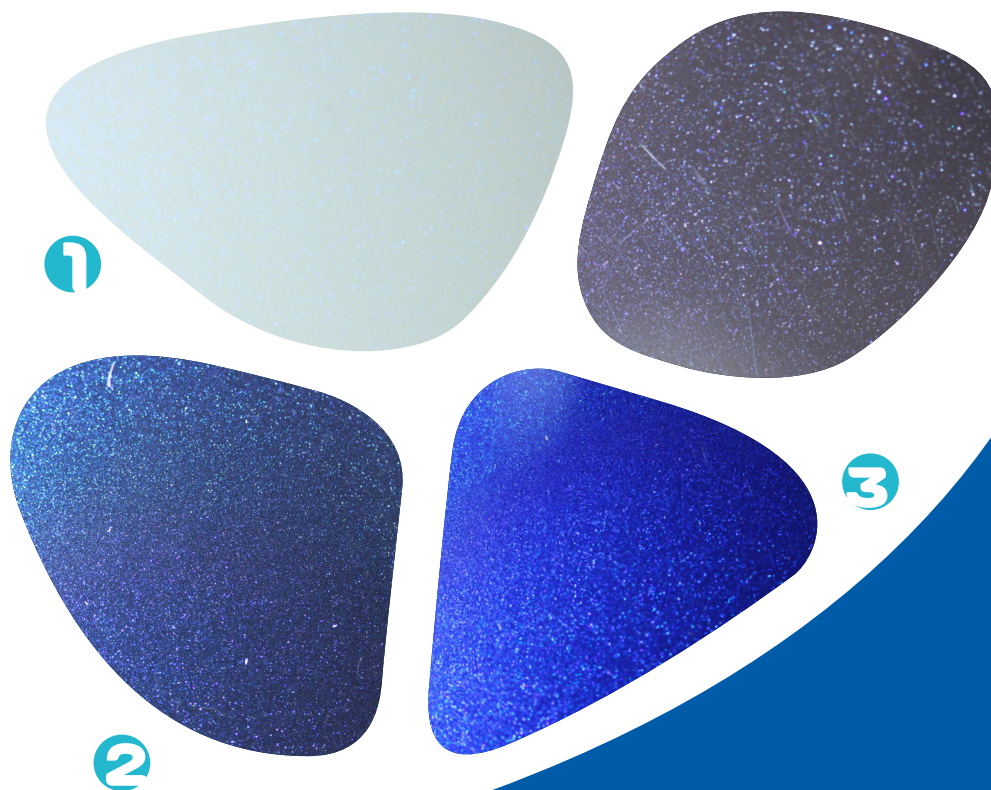


Schematic composition of Xirallic® NXT Tigris Blue

cool depth

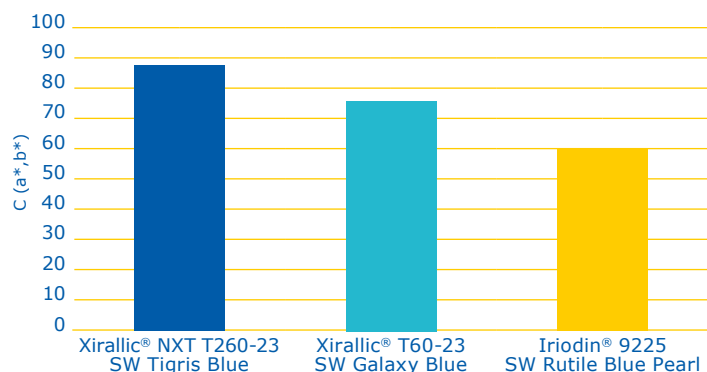
### Application

Xirallic® NXT T260-23 SW Tigris Blue can be used in all customary outdoor and indoor applications for lacquers or other application fields for effect pigments. We hold extensive patent protection for all Xirallic® pigments which covers both the classic Xirallic® pigments and the new Xirallic® NXT generation and applies to single-pigment applications as well as to mixtures with various other effect or color pigments.



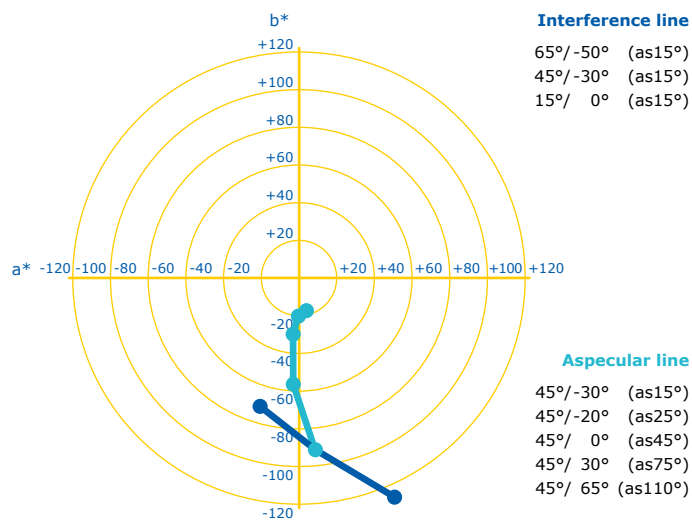
- 1) 100.0% Xirallic® NXT Tigris Blue  
PMC<sup>1</sup> in dry film = 18.0%
- 2) 83.7% Xirallic® NXT Tigris Blue  
16.3% Carbon Black  
PMC<sup>1</sup> in dry film = 21.5%
- 3) 46.5% Xirallic® NXT Tigris Blue  
39.5% Heliogen® Blue L6950F<sup>2</sup>  
11.6% Heliogen® Blue L6989F<sup>2</sup>  
2.4% Emperor® 2000<sup>3</sup>  
PMC<sup>1</sup> in dry film = 25.5%
- 4) 28.0% Xirallic® NXT Tigris Blue  
62.0% Emperor® 2000<sup>3</sup>  
4.0% Hostaperm® Violet RL spez.<sup>4</sup>  
6.0% Heliogen® Blue L7101 F<sup>2</sup>  
PMC<sup>1</sup> in dry film = 11.0%

### Highest Chroma

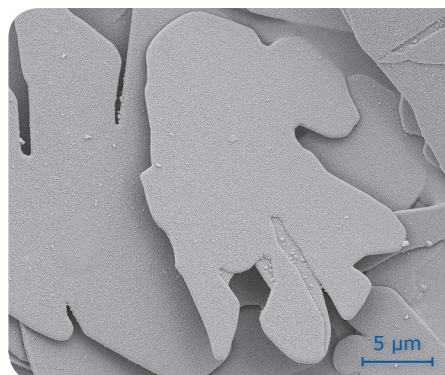


**Chroma C (a\*,b\*) over black (45°/-30°(as15°)) of different blue EMD Performance Materials pigments**

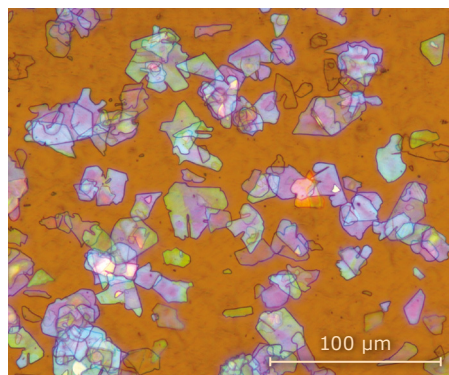
### Coloristic behaviour



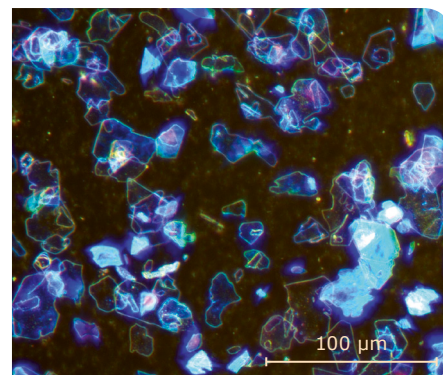
**a\*, b\* Color coordinates of a masstone coating**  
(PMC<sup>1</sup>= 18%, coating thickness 15µm, on a black substrate),  
angles marked according DIN 6175-2. Instrument: Murakami GCMS4



Typical scanning electron microscope image of Xirallic® NXT T260-23 SW Tigris Blue



Light microscope bright field image (opt. magnification 200x) of Xirallic® NXT T260-23 SW Tigris Blue particles



Light microscope dark field image (opt. magnification 200x) of Xirallic® NXT T260-23 SW Tigris Blue particles



## PRODUCT DATA

Ordering Information		Positioning	
Product line	Xirallic® NXT	Color	Blue
Nomenclature	T260-23 SW	Sparkle	High
Name	Tigris Blue	Hiding power	Transparent
Item No.	1.58230	Surface treatment	SW
Package size	150 g, 1 kg, 20 kg	Preparation	–

## TECHNICAL DATA

Physical Properties	Value	Method	Remark
Form	Free-flowing powder		
Density	3.8 g/ml	DIN-EN ISO 787-10	
Bulk density	33 g/100 ml	DIN 53466	
Oil absorption	67 g/100 g	DIN-EN ISO 787-5	
Heat stability	≥ 200 °C	In-house method	
Water solubility	Practically insoluble	In-house method	
Electrical conductivity	36 µS/cm	DIN-EN ISO 787-14	10 % aqueous suspension
pH-value	10	DIN-EN ISO 787-9	10 % aqueous suspension
Particle size distribution	5 – 30 µm	ISO 13320-1	
d10, d50, d90	9.6, 18.9, 33.6 µm	ISO 13320-1	

## WEATHERING DATA<sup>5</sup>

Test	Test Conditions	Test Results
Humidity resistance test DIN EN ISO 6270-2	PMC <sup>1</sup> : 2.5 % Xirallic® NXT T260-23 SW Tigris Blue Duration: 240 h Temperature: 40 °C Relative humidity: 100 %	Gloss after 24 h: 100 % DOI after 24 h: 99 % Cross hatch after 1 h: 0
Accelerated weathering SAE J 2527	PMC <sup>1</sup> : 4.0 % Xirallic® NXT T260-23 SW Tigris Blue Black reduction Duration: 4000 h	Gloss after 4000 h: 98 % Color change ΔE after 4000 h <sup>6</sup> : 25°/1.61; 45°/0.9

<sup>1</sup> Pigment Mass Concentration (PMC), Mass pigment based on total mass coating  
<sup>2</sup> HelioGen® is a trademark of BASF SE, Ludwigshafen, Germany

<sup>3</sup> Emperor® is trademark of Cabot Corporation, Alpharetta, USA  
<sup>4</sup> Hostaperm® is a trademark of Clariant International Ltd, Muttenz, Switzerland

<sup>5</sup> Test system: 2-coat OEM thermosetting paint  
<sup>6</sup> Measured with BYK-mac, BYK Gardner GmbH



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