

EMD
PERFORMANCE
MATERIALS

Mystic elegance

XIRALLIC® NXT M260-70 SW AMUR BLACK



Xirallic® NXT

The background of the entire page is a night sky featuring the Milky Way galaxy. A large, solid purple shape, resembling a stylized 'X' or a large bracket, is overlaid on the right side of the image. The text 'intense darkness' is written in a bold, yellow, sans-serif font in the lower-left quadrant.

intense darkness

- Bluish black with a metallic shade
 - Strong hiding power
- Balanced 3-coat black stylings possible

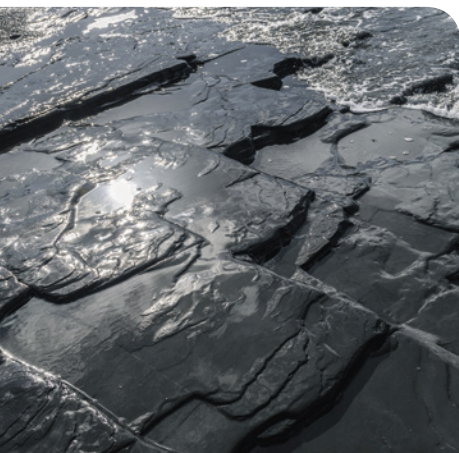
XIRALLIC® NXT AMUR BLACK

What lies behind the new Xirallic® NXT Amur Black? Is it really silver that shimmers so fascinatingly? Where does this magical sparkle and shine come from? Xirallic® NXT Amur Black is a blue-black effect pigment with a silky-silvery fine texture and a wealth of "Living Sparkle®."

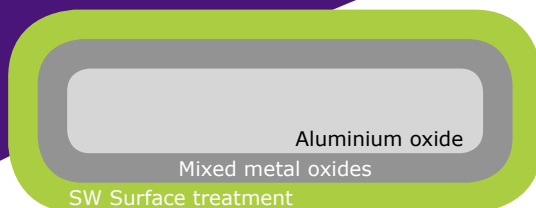
CHARCOAL BLACK EFFECT, MYSTIC SPARKLE.

Just as moonlight is reflected by the ocean's waves and bathes everything in a silvery light, Xirallic® NXT Amur Black lends a lively metallic sheen to all kinds of surfaces, which don't become fragmented by sharply contoured edges of light as they would with metal pigments.

In brilliant light, the hue seems to consist of millions of sparkling dots and to blur the boundaries between solid and liquid. It is the complex and novel combination of the black shimmer of the surface, the endless motion of the Living Sparkle®, the chromatically stable depth of color, the harmonious transitions and the highly reflective gleam that makes this pigment ideal for dark hues, giving them an enviable elegance and lightness.



charcoal black effect



Schematic composition of Xirallic® NXT Amur Black

Mystic
sparkle

Application

Xirallic® NXT M260-70 SW Amur Black can be used in most 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.





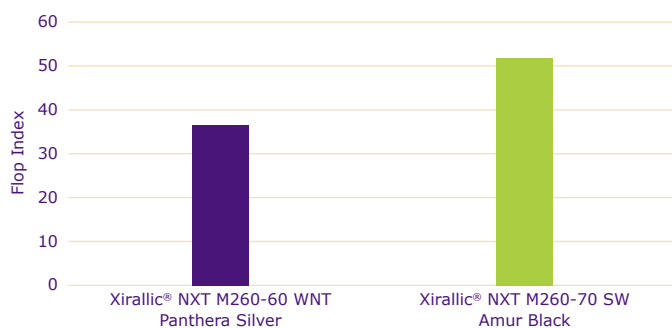
1)
100.0% Xirallic® NXT Amur Black
on white background
PMC¹ = 18.0 %

2)
83.7% Xirallic® NXT Amur Black
16.3% Emperor® 2000²
PMC¹ = 21.5 %

3)
68.8% Xirallic® NXT Amur Black
0.4% Heliogen® Blue L 6989 F³
27.7% Emperor® 2000²
2.8% Special Black 100⁴
0.3% Hostaperm® Violet RL spec. TS⁵
PMC¹ = 11.1 %

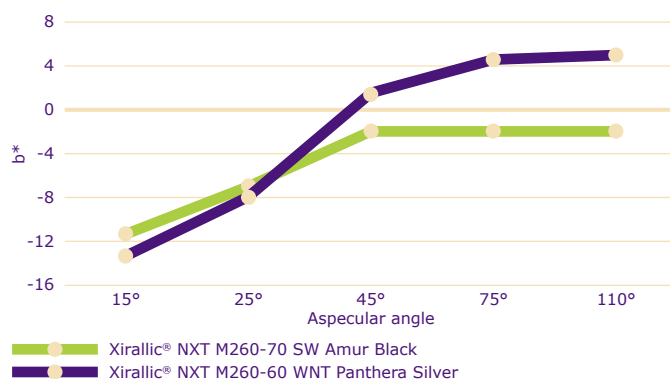
4)
Layer 1
84.0% Special Black 100⁴
6.5% Hostaperm® Violet RL spec. TS⁵
9.5% Heliogen® Blue L 7101 F³
PMC¹ = 10.4 %
Layer 2
100.0% Xirallic® NXT Amur Black
PMC¹ = 10.0 %

Unique flop

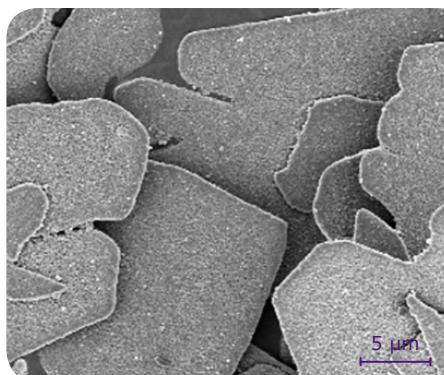


Flop Index of Xirallic® NXT M260-60 WNT Panthera Silver and Xirallic® NXT M260-70 SW Amur Black in black reduction

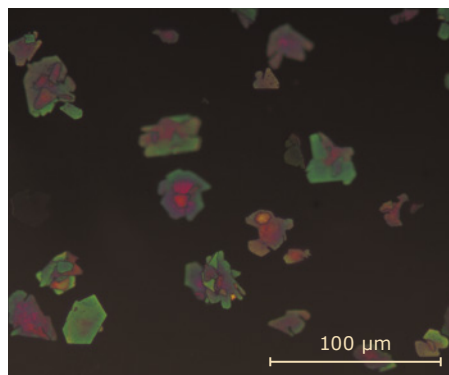
Bluish black



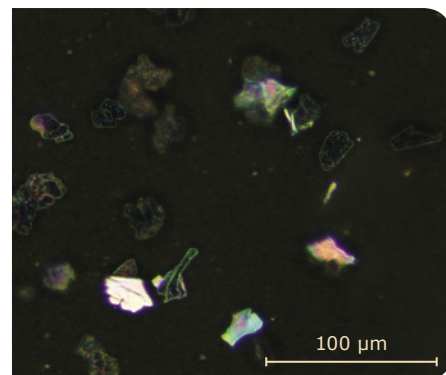
b*-value (fullshade over white) in dependence of the aspecular angles of Xirallic® NXT M260-70 SW Amur Black against Xirallic® NXT M260-60 WNT Panthera Silver



Typical scanning electron microscope image of Xirallic® NXT M260-70 SW Amur Black



Light microscope bright field image (opt. magnification 200x) of Xirallic® NXT M260-70 SW Amur Black particles



Light microscope dark field image (opt. magnification 200x) of Xirallic® NXT M260-70 SW Amur Black particles

PRODUCT DATA

Ordering Information		Positioning	
Product line	Xirallic® NXT	Color	Black
Nomenclature	M260-70 SW	Sparkle	Living Sparkle®
Name	Amur Black	Hiding power	Semi-transparent
Item No.	1.58266	Surface treatment	SW
Package size	150 g, 1 kg, 20 kg	Preparation	–

TECHNICAL DATA

Physical Properties	Value	Method	Remark
Form	Free-flowing powder		
Density	4.3 g/ml	DIN-EN 787-10	
Bulk density	51 g/100 ml	DIN-EN ISO 3923-2	
Oil absorption	50 g/100 g	DIN-EN ISO 787-5	
Heat stability	Up to 230°C	Merck method	
Water solubility	0.03 %	Merck method	
Electrical conductivity	11 µS/cm	DIN-EN ISO 787-14	10 % aqueous suspension
pH-value	9.2	DIN-EN ISO 787-9	10 % aqueous suspension
Particle size distribution ⁶	5 – 30 µm	Laser diffraction	
d10, d50, d90	11.5, 19.5, 32.2 µm	Laser diffraction	

WEATHERING DATA⁷

Test	Test Conditions	Test Results
Humidity resistance test DIN EN ISO 6270-2	PC ⁸ : 4.0% Xirallic® NXT M260-70 SW Amur Black Duration: 240h Temperature: 40°C Relative humidity: 100%	Gloss after 24 h (20°): 95 % DOI after 24 h: 100 % Cross hatch after 1 h: 0
Short term weathering SAE J 2527	PC ⁸ : 4.0% Xirallic® NXT M260-70 SW Amur Black, in black reduction Duration: 2000h	Gloss after 2000h: 99.0 % Color change ΔE after 2000 h ⁹ : 25° /0.67; 45° /0.10

¹ Pigment Mass Concentration (PMC): Mass pigment based on total mass coating

² Emperor® is a trademark of Cabot Corporation, Alpharetta, USA

³ Heliogen® is a trademark of BASF SE, Ludwigshafen, Germany

⁴ Special Black® is a trademark of Orion Engineered Carbons S.A., Luxembourg

⁵ Hostaperm® is a trademark of Clariant International Ltd, Muttens, Switzerland

⁶ 80% of particles within range

⁷ Test system: 2-coat OEM thermosetting paint

⁸ Pigment Concentration (PC): Mass pigment based on total liquid coating

⁹ Measured with BYK-Mac, BYK-Gardner GmbH

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