

EMD
PERFORMANCE
MATERIALS

PERFORMANCE
untamed

XIRALLIC® NXT PANTHERA SILVER
PRODUCT INFORMATION



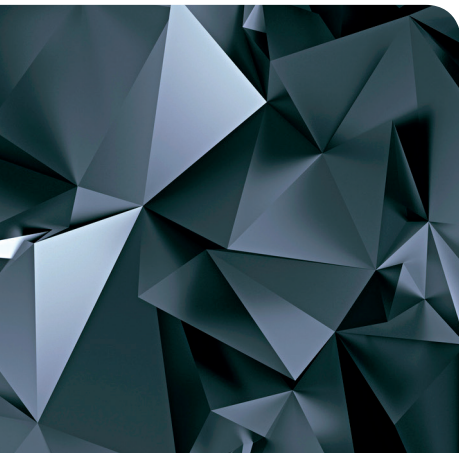
Xirallic® NXT

The power of grace

- New styling possibilities in silver-grey
 - Non yellowish dark down-flop
- Bluish metallic look

XIRALLIC® NXT PANTHERA SILVER

Its character is instantly recognizable by its powerful charisma, enticing elegance, superior performance and unmistakable purity. The outcome is just as lively as it is smooth, and lends Xirallic® NXT Panthera Silver its extraordinary physical presence. The exciting play of light and shadow offers the eye the highest level of instinctive reward.

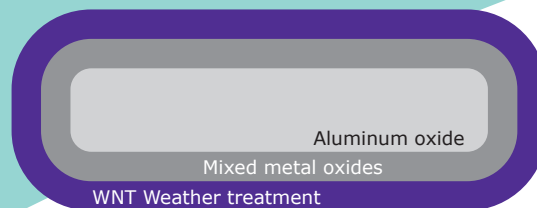


VIVID SPARKLE, UNMATCHED SHIMMER.

Xirallic® NXT Panthera Silver possesses amazing clarity and depth. An effect pigment that turns the surface into a stage on which millions of points of light appear to dance.

Employing skill and sensitivity, our pigment designers have developed a masterpiece that is the embodiment of high brilliance and purity. The primary application area of this visually brilliant effect pigment is automotive coatings. Here not only its exceptional sparkle and flop behavior are especially evident but also its universal technical applicability.

vivid SPARKLE



Schematic composition of Xirallic® NXT Panthera Silver

unMatched shimmer

Application

Xirallic® NXT M260-60 WNT Panthera Silver 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.



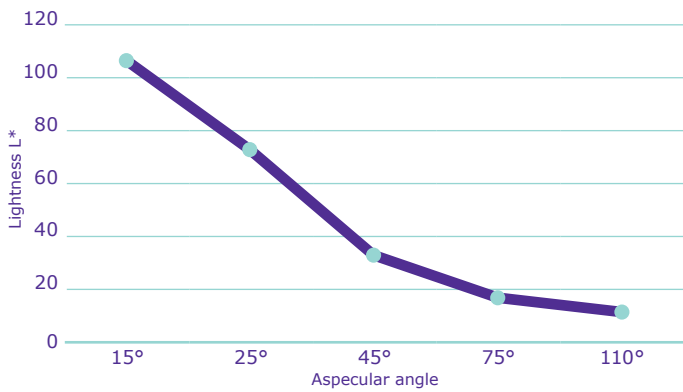
1)
100.0% Xirallic® NXT Panthera Silver
on white background
PMC¹ = 18.0%

2)
83.7% Xirallic® NXT Panthera Silver
16.3% Carbon Black
on white background
PMC¹ = 21.5%

3)
50.0% Xirallic® NXT Panthera Silver
20.0% Special Black 100
30.0% Monolite® Blue 3R²
on white background
PMC¹ = 15.0%

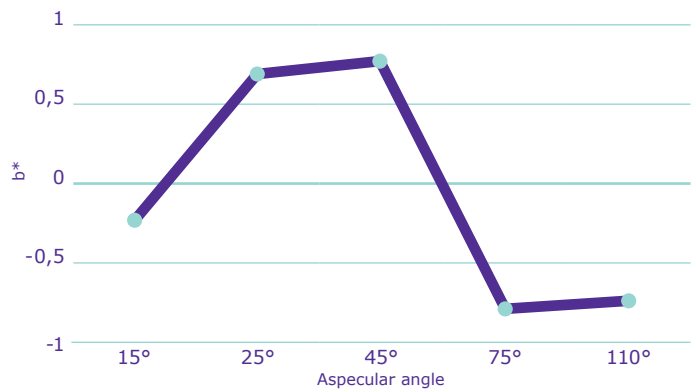
4)
100.0% Xirallic® NXT Panthera Silver
on grey background RAL 7040
PMC¹ = 25.0%

Deep black stylings possible

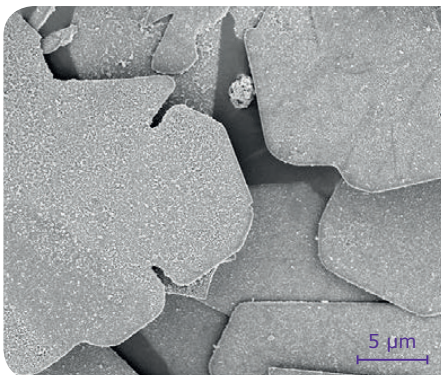


Dependence of L*-value on the aspecular angle

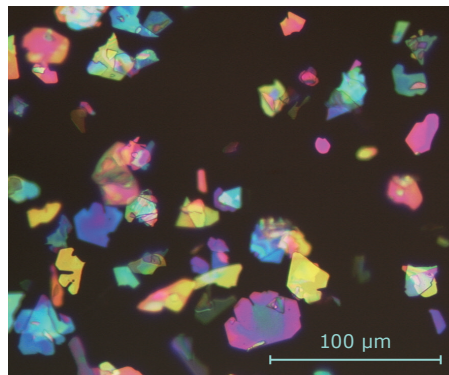
Neutral down-flop



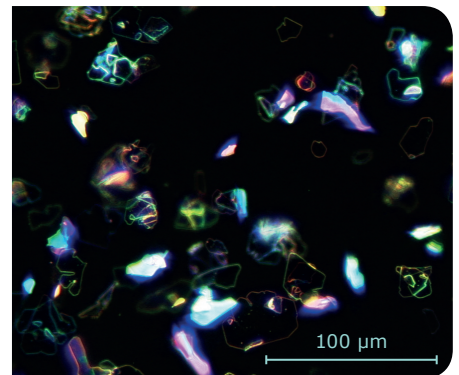
Dependence of b*-value on the aspecular angle



Typical scanning electron microscope image of Xirallic® NXT M260-60 WNT Panthera Silver



Light microscope bright field image (opt. magnification 200x) of Xirallic® NXT M260-60 WNT Panthera Silver particles



Light microscope dark field image (opt. magnification 200x) of Xirallic® NXT M260-60 WNT Panthera Silver particles

PRODUCT DATA

Ordering Information		Positioning	
Product line	Xirallic® NXT	Color	Silver-grey
Nomenclature	M260-60 WNT	Sparkle	High
Name	Panthera Silver	Hiding power	Semi-transparent
Item No.	1.58224	Surface treatment	WNT
Package size	150 g, 1 kg, 20 kg	Preparation	-

TECHNICAL DATA

Physical Properties	Value	Method	Remark
Form	Free-flowing powder	In-house method	
Density	4.0 g/ml	In-house method	
Bulk density	34 g/100 ml	ISO 3923/ASTM B329	
Oil absorption	72 g/100 g	ISO 787-5/ASTM D281	
Water solubility	0.09 m%	In-house method	Practically insoluble
Electrical conductivity	28 µS/cm	DIN-EN ISO 787-14	10 % aqueous suspension
pH-value	4.6	DIN-EN ISO 787-9	10 % aqueous suspension
Particle size distribution	5 – 30 µm	Laser diffraction	
d10, d50, d90	9.2, 19.1, 34.7 µm	Laser diffraction	

WEATHERING DATA³

Test	Test Conditions	Test Results
Humidity resistance DIN EN ISO 6270-2	PMC ¹ : 2.5% Xirallic® NXT M260-60 WNT Panthera Silver Duration: 240h Temperature: 40°C Relative humidity: 100%	Gloss after 24h: 96.7% DOI after 24h: 100% Cross hatch after 1h: 0
Accelerated weathering SAE J 2527	PMC ¹ : 4.0% Xirallic® NXT M260-60 WNT Panthera Silver Duration: 4000h	Gloss after 4000h: 99.0% Color change ΔE after 4000 h ⁴ : 25°/1.75; 45°/0.60

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

² Monolite® is a trademark of Heubach GmbH,
Langelsheim, Germany

³ Test system: 2-coat OEM thermosetting paint
⁴ Measured with BYK-mac, BYK Gardner GmbH

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