SyMic®

SyMic® OEM

SYMIC C393
SYMIC OEM Medium Space Gold

High Chroma Combination Gold
Synthetic Pearlescent Pigments

A member of ALTANA

ECKART
Effect Pigments

SYMIC C393 and SYMIC OEM Medium Space Gold

High Chroma Combination Gold
Synthetic Pearlescent Pigments

ECKART is expanding its SYMIC product range by adding a new highly chromatic gold shade.

This innovative and versatile pigment boasts outstanding visual appeal and is impressive on account of its high reflectivity and chroma. The unique look is created by a combination of premium synthetic silicate and the innovative, patented technology of ECKART. This ensures exceptional color purity and brilliance and lends the product a new dimension of color depth, gloss and sparkle.

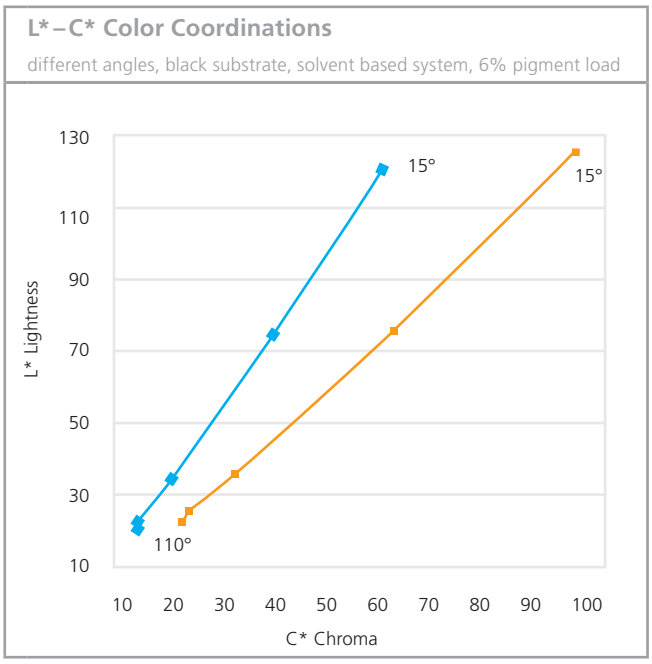
In addition to its impressive visual characteristics, SYMIC C393 is also distinguished by its outstanding chemical stability, shear stability and heat resistance, allowing it to be used even in aggressive media. The encapsulated version SYMIC OEM Medium Space Gold combines the benefits of SYMIC C393 with excellent weather and humidity resistance.

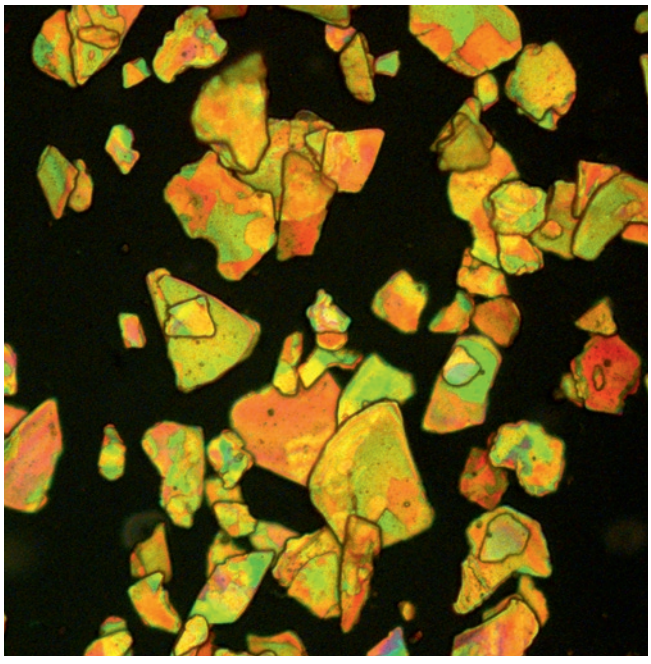
Both new products are highly versatile, making them ideal for a whole host of applications:
plastic coating, mass coloration, automotive coating, decorative applications (e.g. wall paint), powder coating, domestic appliances, printing and textile applications.

Characteristics at a glance:

SYMIC C393
- Unique chroma and color intensity
- Fascinating gloss and sparkle
- Extraordinary chemical stability
- High shear stability
- More hiding power compared to market standard
- Easy incorporation in all common applications

SYMIC OEM Medium Space Gold
Properties of SYMIC C393 combined with
- Very narrow particle size distribution
- Excellent weather and humidity resistance
- Outstanding intercoat adhesion





Light microscope picture of SYMIC C393 (opt. magn. 500x)

Physical Composition

	SYMIC C393	SYMIC OEM Medium Space Gold	Unit	Method
Synthetic Mica	41	42,5	%	ECKART internal testing
Titan Oxide	51	50	%	ECKART internal testing
Iron Oxide	7,5	7	%	ECKART internal testing
Tin Oxide	0,5	0,5	%	ECKART internal testing

Physical Properties

Density	3,5	3,5	g/cm³	DIN 66137
Bulk Density	0,4	0,5	g/cm³	EN ISO 60
Residual Moisture	< 0,3	< 0,3	%	DIN 55923
Electrical Conductivity	< 350	< 300	µS	EN ISO 787-9
pH-Value	3 – 8	6 – 11		EN ISO 787-9
Heat Stability	< 600	< 230	°C	Powder, Color Change
Particle Size Distribution	10 – 40	12 – 38	µm	ISO 13320-1

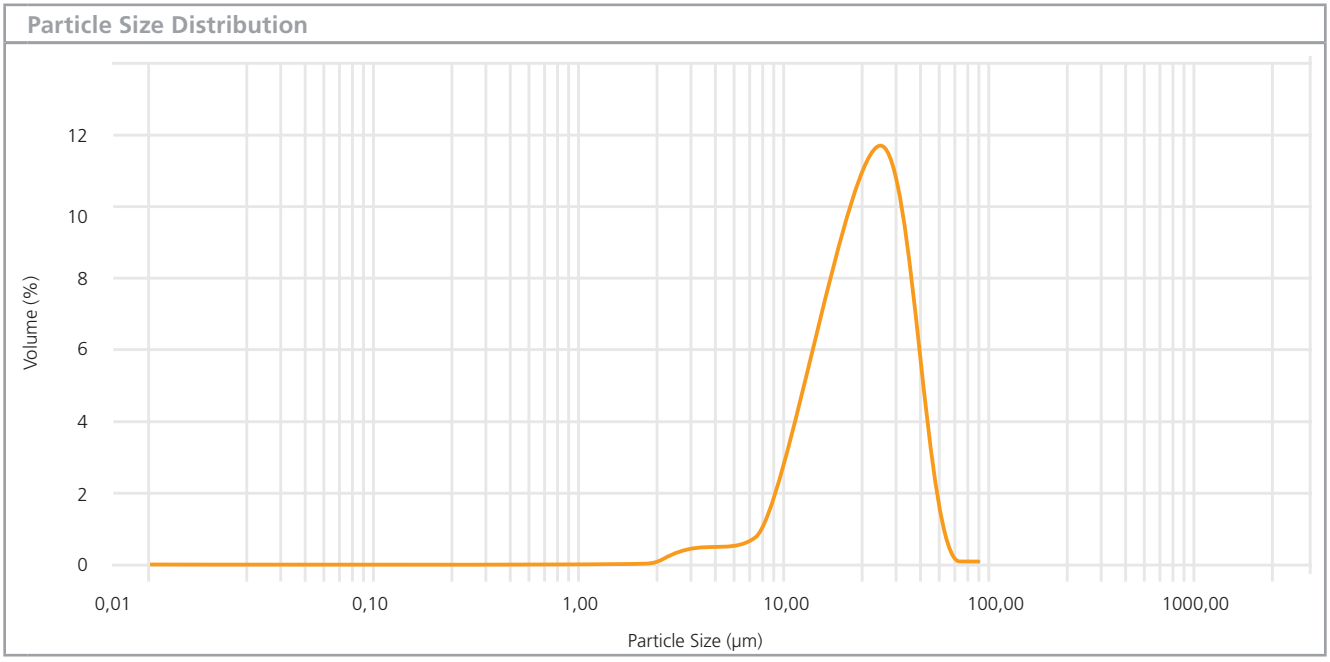
Both products are available in these packaging sizes: 100g,1kg, 5kg, 25kg

Test Results

Test	Test Conditions	Test System	Results
Humidity Resistance (only OEM Version)	10d 100% humidity 40°C	OEM 2-coat system 6% Pigmentation load	Gloss after 24h (RT) 99% DOI after 24h (RT) 100% Cross cut 24h (RT) 0
Chemical Stability	1 week 5% NaOH 20°C	1-coat 10% Pigmentation load	No color change
Shear Stability	Internal test	High Solid system 10% Pigmentation load	No pigment delamination

Xenon (SAE J2527) and Florida tests results on request

Particle Size Distribution



SYMIC C393

Method laser granulometry ISO 13320-1

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1/April2015.0 CO/GA/PL
021470XX0

With compliments