



METALURE®

METALURE® Quantum –
strong in brilliance,
strong in pigment technology

METALURE® Quantum – strong in brilliance, strong in pigment technology

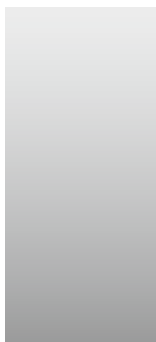
METALURE® **Quantum** are highly brilliant, non-leaving PVD aluminum pigments. These extremely fine pigments provide impressive silver gloss as well as many technical benefits:

- premium gloss: up to 50 % more gloss than comparable products, measured in both 20° and 60° angles
- very low scattering for even more brilliant chrome-like effects
- color shift in all angles – to a more bluish shade
- lowest sieve residue
- improved intercoat adhesion on all substrates tested with this pigment group
- optimized particle size distribution

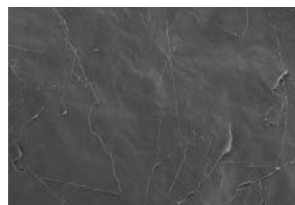
METALURE® **Quantum** pigments are recommended for high-end coatings, such as consumer electronics, plastic coatings, car interior, wheel rims and decorative purposes. The product series is also ideally suited for mirror effects in all kinds of printing applications.

| METALURE® Quantum Type | Solid content (%) | D10 [µm] | D50 [µm] | D90 [µm] | Solvent | Shelf life |
|------------------------------|-------------------|--------------|---------------|----------|------------------------|------------|
| 210100MA | 9.95 – 10.15 | 3.00 – 6.00 | 9.50 – 12.00 | <= 25.00 | methoxy propyl acetate | 12 months |
| 210160MA | 9.95 – 10.15 | 6.00 – 10.00 | 15.50 – 16.50 | <= 36.00 | methoxy propyl acetate | 12 months |
| 510105BG | 9.95 – 10.15 | 3.00 – 6.00 | 9.50 – 12.00 | <= 25.00 | butyl glycol | 12 months |
| 515075 IA | 14.95 – 15.15 | 2.50 – 4.50 | 6.50 – 8.00 | <= 18.00 | iso-propyl acetate | 12 months |
| 610073 NP | 9.95 – 10.15 | 2.00 – 5.00 | 5.50 – 7.50 | <= 15.00 | n-propoyl acetate | 12 months |
| 610103 AE | 9.95 – 10.15 | 3.00 – 6.00 | 9.50 – 12.00 | <= 36.00 | ethyl acetate | 12 months |
| 710110 AE | 9.95 – 10.15 | 4.00 – 6.00 | 10.50 – 11.50 | <= 25.00 | ethyl acetate | 12 months |

METALURE® Quantum color range



- ← METALURE® Quantum 210100MA
- ← METALURE® Quantum 210160MA
- ← METALURE® Quantum 510105BG & 515075IA
- ← METALURE® Quantum 610103AE & 610073NP
- ← METALURE® Quantum 710110AE



SEM picture:
METALURE®

ECKART GmbH
Guentersthal 4
91235 Hartenstein, Germany
Tel +49 9152 77-0
Fax +49 9152 77-7008
info.eckart@altana.com
www.eckart.net

ECKART America Corporation
650 West 67th Avenue, Suite 200
Schererville, IN 46375
Tel +1 440 954 7600
Fax +1 219 322 0528
Toll Free: 800-556-11 11
info.eckart.america.oh@altana.com
www.eckart.net

ECKART Asia Ltd.
Unit 3706-08, 37/F, Sunlight Tower
248 Queen's Road East
Wan Chai
Hong Kong
Tel +852 3102 7200
Fax +852 2882 5366
info.eckart.asia@altana.com
www.eckart.net