Ultimate Thin Aluminium Pigment UTF - 410

Characteristics

- High brightness and particleless feeling appearance due to extream thin flake and crushless edge by ball milling technology.
- Because of its excellent hiding power, a metal-like coatings can be obtained in a thin coating design that takes advantage of the characteristics of this thin flaked aluminium.
- Good paint circulation properties although very thin flakes.
- Silica and resin encapsulation types are also available.

Product

Grade	Particle size(*1) D_{50} (μm)	N.V. (*2)	Falke thickness(*3) (μm) by calculation	Solvent
UTF-410	10	60	0.09	Medium aliphatic solvent Light aromatic solvent

(*1) D_{50} is a general characteristic value, not specified, measured by a laser diffraction type particle size analyzer. (Microtrac MT3300EXII)
(*2) Non-volatile content
(*3) The average thickness of typical conventional aluminium flake pigments is around 0.1 to 0.8 μm.

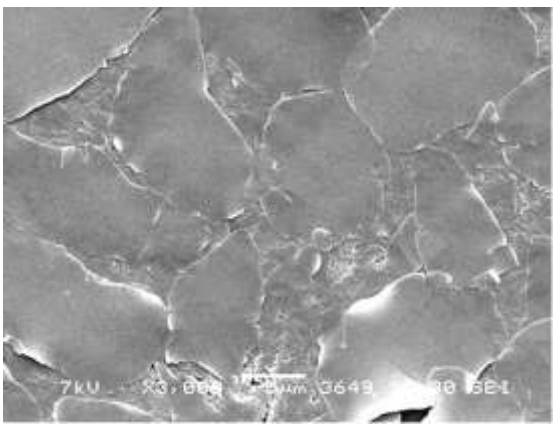
Paint circulation test results

	Flake thickness(*3)	Color retention (head on brightness(*4))
UTF-410	0.09μm	100%
Existing product **MS-650**	0.08μm	95%
Existing product **Z460**	0.14μm	100%

(*4) measured by X-Rite MA-68II (L* @15°)

Evaluated each color panel made from bell type spray coating of high solid formulated paint before and after 12000 rpm ×5min mixing by waring blender.

Flake shape



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