BYK
Additives & Instruments

CERATIX 8561
CERATIX 8563
CERATIX 8566

NMP-free Wax Additives for Excellent Effect Pigment Orientation in Solvent-borne Coatings

Effect pigments are frequently used to manufacture attractive and high-quality surface coatings, for example in metallic automotive coatings. Perfect pigment orientation and an outstanding flip-flop effect are essential for achieving an optimum metallic effect.

CERATIX wax additives offer the desired, consistent metallic effect and simultaneously reduce the tendency of pigments to settle, achieving increased storage stability.

The proven CERATIX additives 8461, 8463 and 8466 contain a small quantity (< 0.5 %) of N-methylpyrrolidone (NMP). However, there are increasing demands to manufacture formulations that are entirely free from NMP. To meet these market requirements, BYK has optimized the manufacture of these CERATIX wax additives so that it can produce NMP-free products. The new NMP-free CERATIX additives are an alternative to the established products and offer an equivalent substitute.

A member of ALTANA

Benefits

- Excellent effect pigment orientation in solvent-borne base coats
- Prevents phase separation and the pigments settling in the coating
- NMP (**N-m**ethyl-2-**p**yrrolidone)-free

Technical Properties

CERATIX 8561
- Non-volatile matter: 4.7 %
- Solvents: Xylene/butylacetate/ n-butanol 3/6/1
- Flash point: 27 °C
- Melting point (wax content): 105 °C
- Viscosity (23 °C): approx 16 mPa·s

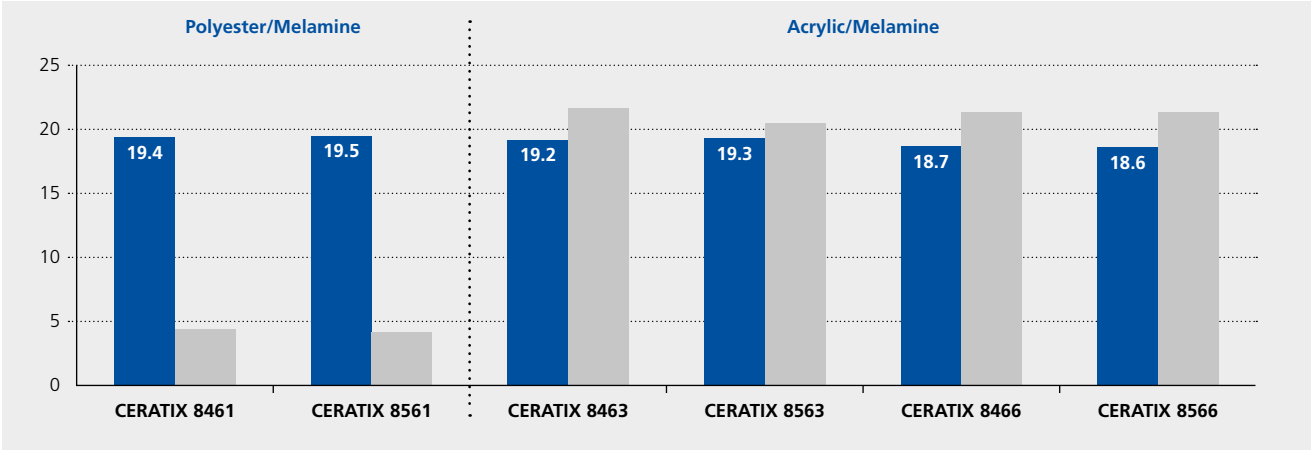
CERATIX 8563
- Non-volatile matter: 4.4 %
- Solvents: Xylene/butylacetate/ n-butanol 3/6/1
- Flash point: 27 °C
- Melting point (wax content): 110 °C
- Viscosity (23 °C): approx. 12 mPa·s

CERATIX 8566
- Non-volatile matter: 4.7 %
- Solvents: Butylacetate/ n-butanol 9/1 – **aromatic-free**
- Flash point: 27 °C
- Melting point (wax content): 100 °C
- Viscosity (23 °C): approx. 16 mPa·s

Applications

- Automotive coatings
- Industrial coatings
- Leather coatings (CERATIX 8561)

CERATIX 8561, CERATIX 8563, and CERATIX 8566 – Equivalent Performance to CERATIX Grades that Contain NMP



■ Flop Index ■ Sparkle A 75°

Test method: Measurement of the flop index of a sprayed, solvent-borne automotive base coat with a BYKMac

Binder systems and aluminum pigments: Polyester/melamine system based on Setal® 90173, Setal® 173, Setamine® US 138, CAB 381-05, and STAPA® Metallux 2152

Acrylic/melamine system based on Viacryl® SC 303, Maprenal® MF 650, CAB 531-1 and 381-2, STAPA® Metallux 1560

CERATIX 8563 – Outstanding Anti-settling Properties

Test system: Acrylic/melamine base coat, adjusted to application viscosity (17 seconds, Ford cup 4), after 48 hours storage at room temperature

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BYK Additive Guide

Available on the App Store

Google play

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