

Efka® FA 4611



Solvent-free dispersing agent for inorganic pigments in 100% systems, solvent-based coatings and printing inks

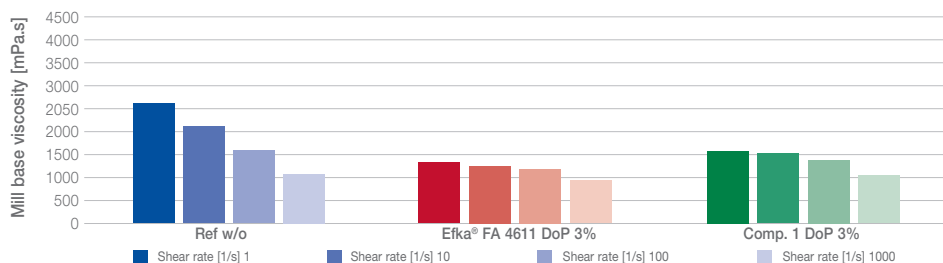
Efka® FA 4611 is a solvent-free dispersing agent (acidic polyether) which shows excellent stabilization of inorganic pigments, in particular titanium dioxide. With Efka® FA 4611 high pigment and filler loadings, strong reduction of mill-base viscosity and an improved rheological behavior can be achieved.

Efka® FA 4611 is broadly applicable because of its solvent-free character and it is compatible in a wide range of resin systems. Furthermore it is suitable for high gloss systems. Efka® FA 4611 is suitable for solvent-based and solvent-free Industrial and OEM/Refinish Coatings, Wood Coatings, Printing & Packaging and Composites.

Performance Highlights

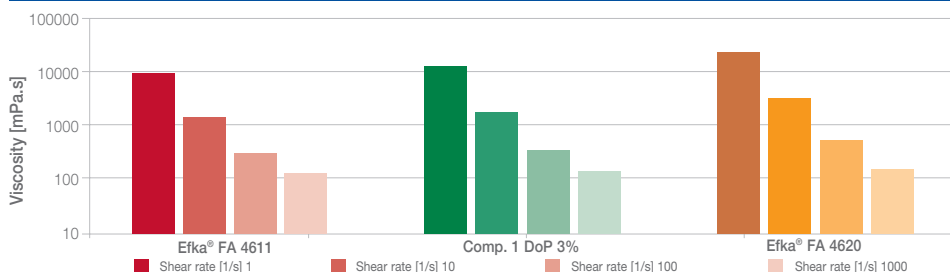
- Solvent-free product - suitable for high solid and 100% solvent free solids
- High pigment and filler loadings
- Strong reduction of mill-base viscosity
- Improved rheological behavior
- Broad compatibility in a wide range of resin systems (e.g. UV-acrylic, PUR, UPE, epoxy)
- Suitable for high gloss systems
- Increased hiding power

UV Curable Wood Coating
Viscosity comparison after 1 week @ 50°C
Kronos® 2310: 15% + 10% extenders, pigment load: 25%



Efka® FA 4611 shows comparable rheology behavior with distinctly low pseudoplasticity.

Rheology of TiO₂ pigment concentrate
DoP: 1,5%
Kronos® 2310, pigment load: 65%



Lowest mill base viscosity for Efka® FA 4611; Efka® FA 4620 and Comp. 1 show comparable rheology.

Efka® FA 4611: Characteristic Values

Property	Value
Appearance	clear, colorless to yellow liquid
Acid value	~ 129 mg KOH/g
Density at 20°C (68 °F)	~ 1.16 g/cm ³
Solid content (1h 120°C)	90 - 100 %
Refractive Index	1.4635 – 1.4735



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