

Hydropalat®

WE 3475/3477/3485/3486

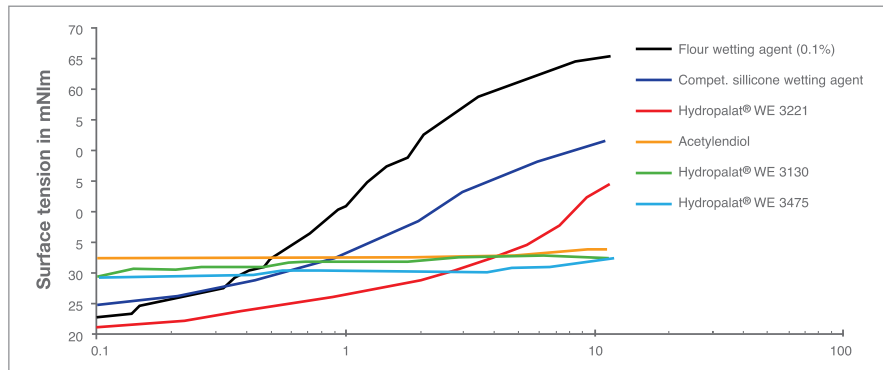


Highly effective wetting agents for waterbased coatings

Hydropalat® WE 3475, WE 3477, WE 3485 and WE 3486 are wetting agents based on Dioctylsulfosuccinates (DOSS) and their modifications, which are excellent for surface tension reduction and dynamic substrate wetting in coating and printing processes. Due to their outstanding wetting properties, they are particularly suitable for difficult-to-wet substrates such as plastics and metal surfaces, cellulose film, aluminium and plastic foils, silicone and treated papers or glass.

In addition, these products can function as coalescing agents as well as thickeners, as they are very cost effective for OPV producers and allow to use more water in the formulation. Hydropalat® WE 3475 and its modifications can also be used in decorative and industrial coatings as compatibilizer e.g. when universal pigment concentrates are used in order to improve color acceptance.

The graphs below show the gloss and the reduction of dynamic surface tension of the wetting agents in typical OPV formulations based on Joncryl® 90 and Joncryl® 8085.



	viscosity in s (DIN 4 cup)	gloss over black at 60°
Blank	28	44.2
Hydropalat® WE 3475	39	49
Hydropalat® WE 3477	39	50.6
Hydropalat® WE 3485	39	49
Hydropalat® WE 3486	38	48.5

Hydropalat® WE 3475, WE 3477, WE 3485 and WE 3486 allow the formulator to achieve excellent substrate wetting for OPVs and adhesives.

Characteristic Values:

Solid content

Hydropalat® WE 3475	~ 75%
Hydropalat® WE 3477	~ 77%
Hydropalat® WE 3485	~ 85%
Hydropalat® WE 3486	~ 86%

Performance Highlights

- Excellent dynamic substrate wetting
- Strong surface tension reduction
- Act as coalescing agent
- Gloss improvement
- Improve color acceptance in universal pigment concentrates



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