

# Improve the efficiency of your grinding process with Grind Aids, Surfactants and Dispersants

**CARBOWET® GA 100, SURFYNOL® AD01, TEGO® Dispers 747 W**



## **CARBOWET® GA 100:**

- Grind aid providing optimal balance of wetting and stabilization for efficient pigment milling
- Dynamic pigment wetting combined with low foam
- Minimal impact on rheology and water resistance
- Improved color rub-out and color acceptance
- Suitable for low VOC paints

### **Recommended addition level:**

Typically between 0.2 and 0.5 % as supplied of total formulation. Higher usage levels, up to 3 % are suitable for wetting and stabilization in higher PVC formulations and pigment pastes. Can be used in grind and letdown stages.

**Active matter content:** 85 %

**Solvent:** water



## **SURFYNOL® AD01:**

- Multifunctional additive based on Gemini surfactant technology
- Excellent dynamic pigment and substrate wetting combined with good defoaming properties
- Reduces minimum film formation temperatures and improves film coalescence
- Allows formulators to partially reduce co-solvent and meet VOC requirements
- Suitable for low VOC paints and Ecolabel compliant formulations

### **Recommended addition level:**

Between 0.1 and 1.0% of total formulation weight. Can be used in grind and letdown stages.

**Active matter content:** 100 %

**Solvent:** none



## TEGO® Dispers 747 W

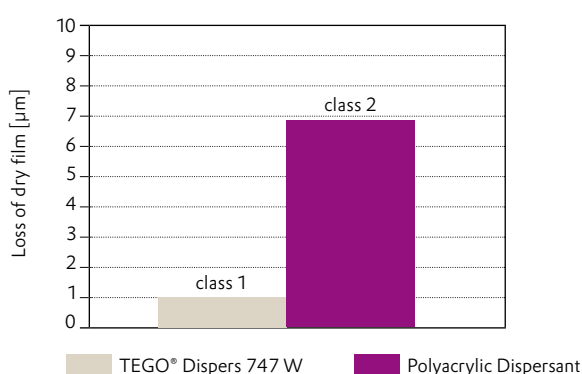
- Very efficient wetting and dispersing additive for waterborne pigment concentrates and direct grind, suitable for low VOC and ecolabel compliant paints
- Effective grinding of inorganic pigments and fillers
- Leads to outstanding pigment concentrate acceptance with minimized rub out values and high color strength
- White base paint formulations show excellent storage stability at low viscosities
- Minimized influences on coating properties

**Recommended addition level:** 0.3 – 1.0% as supplied for direct grind

**Active matter content:** approx. 35%

**Solvent:** water

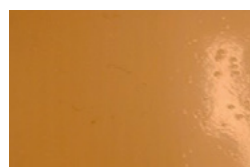
### TEGO® Dispers 747 W with minimal influence on wet scrub resistance



### Interior architectural paint based on an acrylic emulsion (Rhoplex SG30)



6.0% Coalescing Solvent (TMPIB)



1.5% SURFYNOL® AD01 +  
5.7% TMPIB  
(or 8% TMPIB)

Grind aid surfactants are essential for the milling process – optimizing energy usage and maximizing particle size reduction. **CARBOWET® GA 100** surfactant is designed to provide dynamic surface tension control combined with good deaeration, leading to a more efficient milling process.

**SURFYNOL® AD01** is a multifunctional surfactant that helps with formulating in a more efficient manner. Besides reducing dynamic surface tension and providing outstanding defoaming in pigment grind and paints, it also acts as coalescing agent. Added to the binder, **SURFYNOL® AD01** decreases the minimum film formation temperature and allows coating formulators to partially reduce the amount of co-solvent to help meet VOC requirements.

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**Evonik Operations GmbH**  
Goldschmidtstraße 100  
45127 Essen  
Germany  
Phone +49 201 173-2222  
Fax +49 201 173-1939  
coating-additives@evonik.com