

## Wetting Agents for Water-based Adhesives and Paper Coatings

TEGOPREN® 5840  
TEGOPREN® 5890  
TEGO® Surten W 111

- Low surface tension for better wetting of critical surfaces
- Inhibit surface defects created by other additives
- Excellent wetting properties even at high production speed
- Less foam problems
- Do not create hydrophilic adhesive films

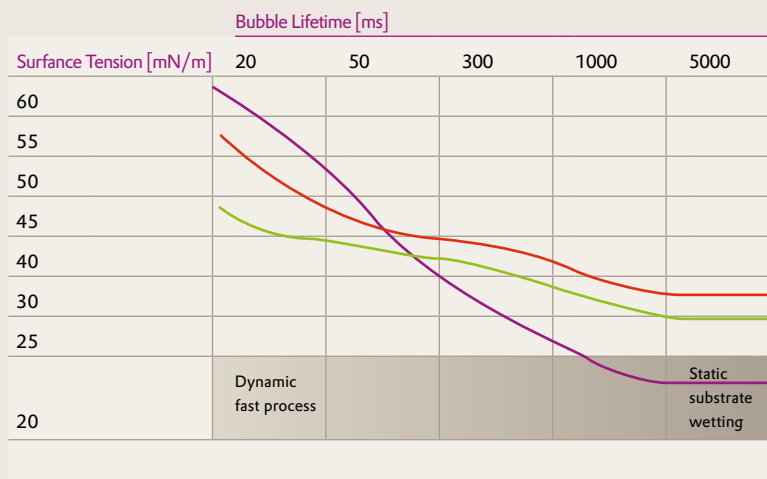


Wetting of siliconized substrate  
without additive      with TEGOPREN® 5840



Adhesive film with incompatible ingredients  
without additive      with TEGOPREN® 5840

### Surface Tension (Bubble Pressure Tensiometer)



■ TEGOPREN® 5840    ■ Alkoxylates    ■ Sulfosuccinate

Undesired whitening of an adhesive film in contact with water



TEGO® Surten

TEGOPREN®

Sulfosuccinate

Undesired release of labels in contact with water



Sulfosuccinate

TEGO® Surten

## TEGOPREN® 5840

- Very low surface tension around 22 mN/m at static conditions
- Has a distinctive anti crater effect

## TEGOPREN® 5890

- Hydrophobic wetting agent for less whitening of adhesive films
- No foam formation
- Has a broad food contact compliance

## TEGO® Surten W 111

- For high production speed
- Improves the stability of the curtain in curtain coating process
- No whitening of the adhesive film and no foam formation

### Properties of Wetting Agents

	TEGOPREN® 5840	TEGOPREN® 5885	TEGO® Surten W 111	TEGOPREN® 5890	Sulfosuccinate
Slow production speed	•	•	•	•	•
Medium speed	-	-	•	-	•
High production speed	-	-	•	-	-
Inhibition of surface defects	•	-	-	-	-
No whitening of the adhesive film	○	•	•	○	-
No printing problems	•	•	•	○	-
No foaming	○	•	•	•	-
FDA 175.105	•	•	-	•	•
EC Regulation 10/2011	-	-	-	•	•
BfR XIV	-	-	-	•	•
Isega certificate	•	n.d.	•	n.d.	n.d.

n.d. = not determined

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