


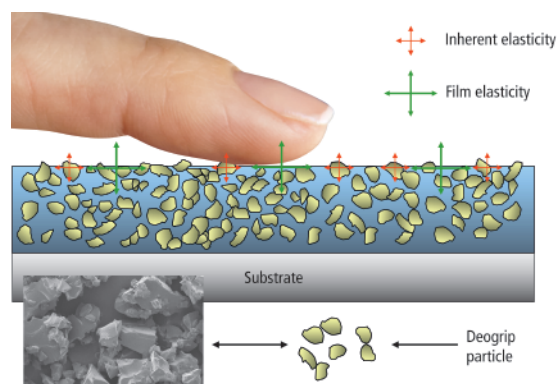


### Deogrip for Soft Feel & Matting

**Deogrip®** is a unique product based on crosslinked castor oil. It is supplied as a free flowing powder or as a dispersion in water, butyl acetate, dipropyleneglycol methylether (DPM) or dipropyleneglycol diacrylate (DPGDA). Deogrip can be easily added at any point in the formulation process to reduce gloss and impart a unique haptic feel to a coating, ink or paint, with no change to clarity, color or viscosity. Due to the rubber like nature of Deogrip, the formulation will see an increase to the coefficient of friction (COF).

The density of the Deogrip is the same as the resin system. Thus, the particles stay distributed throughout the film, rather than floating to the surface. This results in a unique feel, without burnish or glossing up with time.

-  Enables very homogeneous matting without cloudiness or brightening
-  Suitable for soft touch systems
-  Transparent, heat-stable and solvent-resistant



<b>DEOGRIP</b>	<b>Solids, %</b>	<b>Solvent</b>	<b>D50, µm</b>	<b>D90, µm</b>
<b>Powder</b>				
<b>WPF-NT</b>	100	N/A	35	90
<b>Waterbased</b>				
<b>Micro A-2010</b>	45	water	10	28
<b>Solvent-based</b>				
<b>Micro S-1010</b>	30	butyl acetate	10	25
<b>Micro S-1021</b>	30	DPM*	12	25
<b>Reactive Diluent Based</b>				
<b>Micro R-1510</b>	30	DPGDA**	10	25

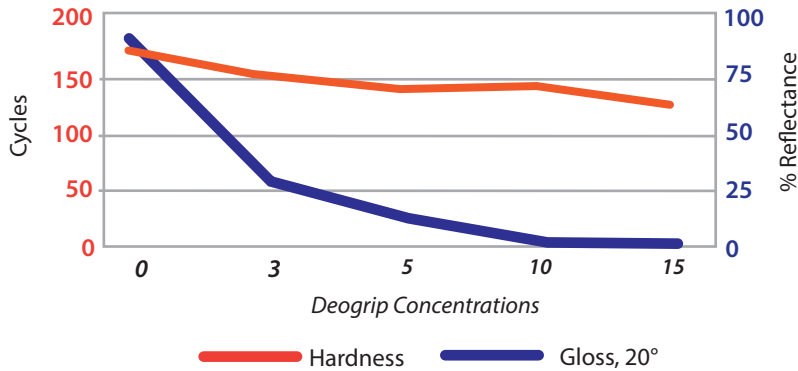
\*DPM – dipropyleneglycol methylether, \*\*DPGDA – dipropyleneglycol diacrylate

## Impact on Coating Properties

In addition to the unique feel Deogrip imparts on coatings, it will also reduce gloss and hardness of a film, as indicated in the following water-based Melamine/PUD system. The impact on hardness will vary system to system and does not impact the adhesion or chemical resistance.

### Impact on Gloss and Hardness

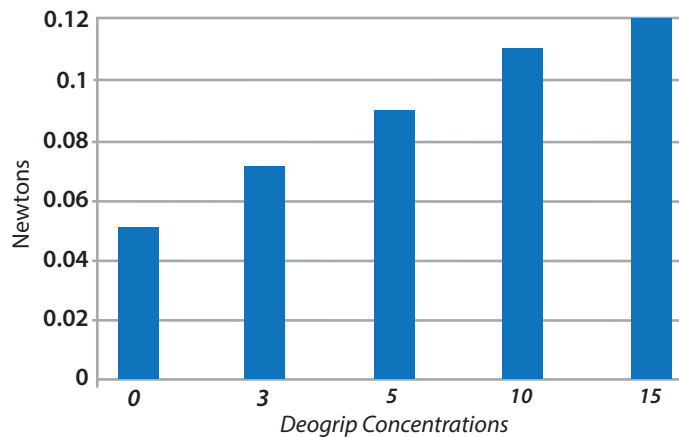
Deogrip Micro A2010  
Melamine/PUD System  
Cure 120°C, 10 minutes



Deogrip can also impart an increase in COF of the film. The following data demonstrates the amount of force needed to move a glass with a weight of 37.14 grams across the film with varying concentrations of Deogrip. If this is undesirable, addition of a wax or slip additive is recommended.

### Slip Resistance

Melamine/PUD System  
Cure 120°C, 10 minutes



Deogrip® is a registered trademark of DOG Deutsche Oelfabrik Gesellschaft für chemische Erzeugnisse mbH & Co. KG

## Contact Information

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