

ACROFLOR[®], Hydropalat[®]

One package solution for High Performing Floorcare Coatings



The Challenge

- ➔ **Fluorosurfactants provide** desirable performance features to coatings with high efficiency, low use levels, and good cost in use value
- ➔ **Regulatory pressure to eliminate fluorosurfactants has increased** due to their persistence and toxicity
- ➔ **Formulators need to move to potential alternatives**

Replacing fluorosurfactants

- + ***Good Flow and Leveling***
- + ***Good Appearance***
- + Substrate Wetting
- + Dirt pick-up resistance and Anti-blocking

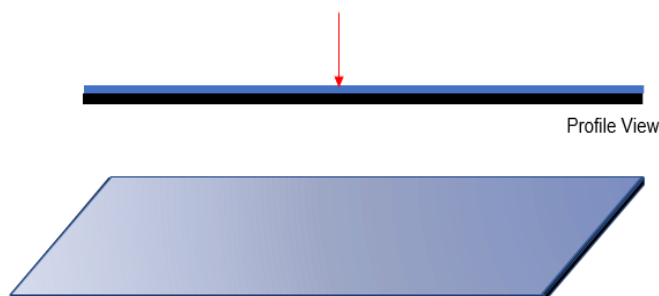
Ideal Floor Care Coating Application

Multiple applied floor care coating layers



Layered Isometric View

Smooth, even profile with minimal texture



Full Coating Isometric View

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The Solution



Alternative Surfactant Screening



Additives

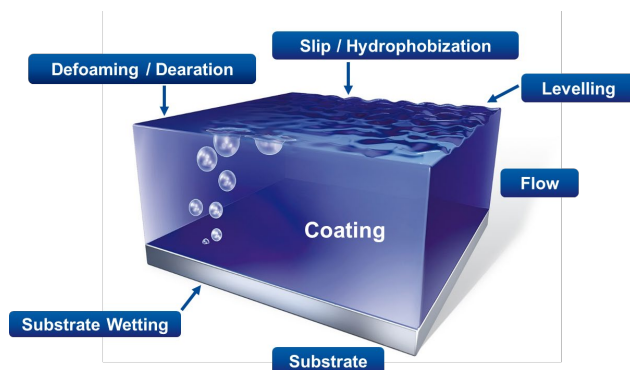
■ Hydropalat WE 3225

- Low VOC and Odor

■ Hydropalat WE 3229

- Low VOC and Odor
- Biocide-free
- ECO label compliant
- Certain Food contact compliance

Coating Properties Influenced by Wetting Agents & Surface Modifiers



Resins

ACROFLOR 1000 (2018)

ACROFLOR 1500 (2022)

ACROFLOR 3000 (New)

ACROFLOR 10

ACROFLOR 100

ACROFLOR 110

Zinc-based floor finish

Metal Free

Wax

ASR



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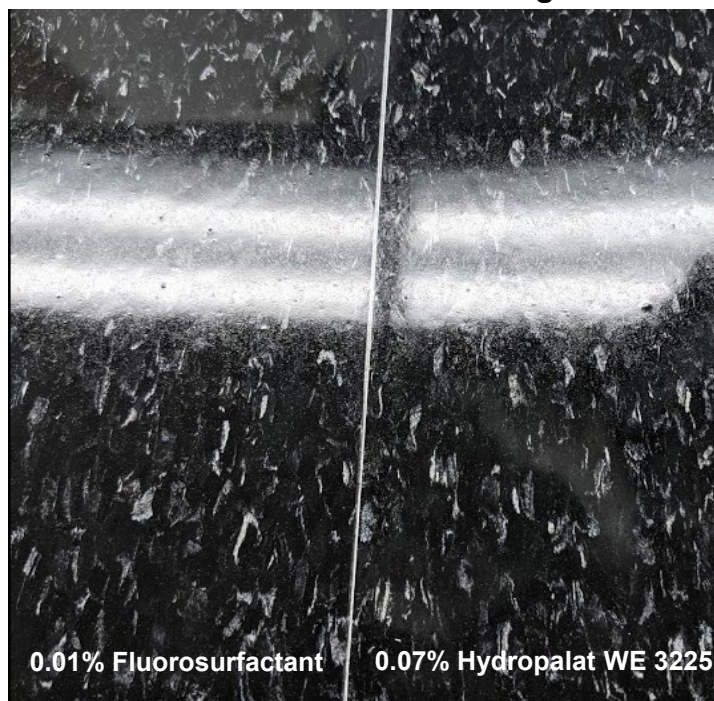
Formula Optimization

Our recommended additives are silicone based wetting agents that have shown performance approaching that of fluorosurfactants for floorcare coating applications

- ▶ Eliminated surface defects
- ▶ Showed excellent defoaming action
- ▶ Increased gloss

Hydropalat WE 3225 provides comparable flow and leveling to fluorosurfactant benchmark in low solids water-based floorcare coating

Acroflor 1000 Floor Care Coating on VCT



0.01% Fluorosurfactant

0.07% Hydropalat WE 3225



Hydropalat wetting agents combined with ACROFLOR resin provide the SOLUTION!

To learn more about our Floorcare solutions, visit: basf.us/dpsolutions

BASF
We create chemistry