

# Fluorosurfactants Additives



**HEXAFOR®**  
HIGH PERFORMANCE WETTING  
& LEVELLING AGENTS



# FLUORO SURFACTANTS

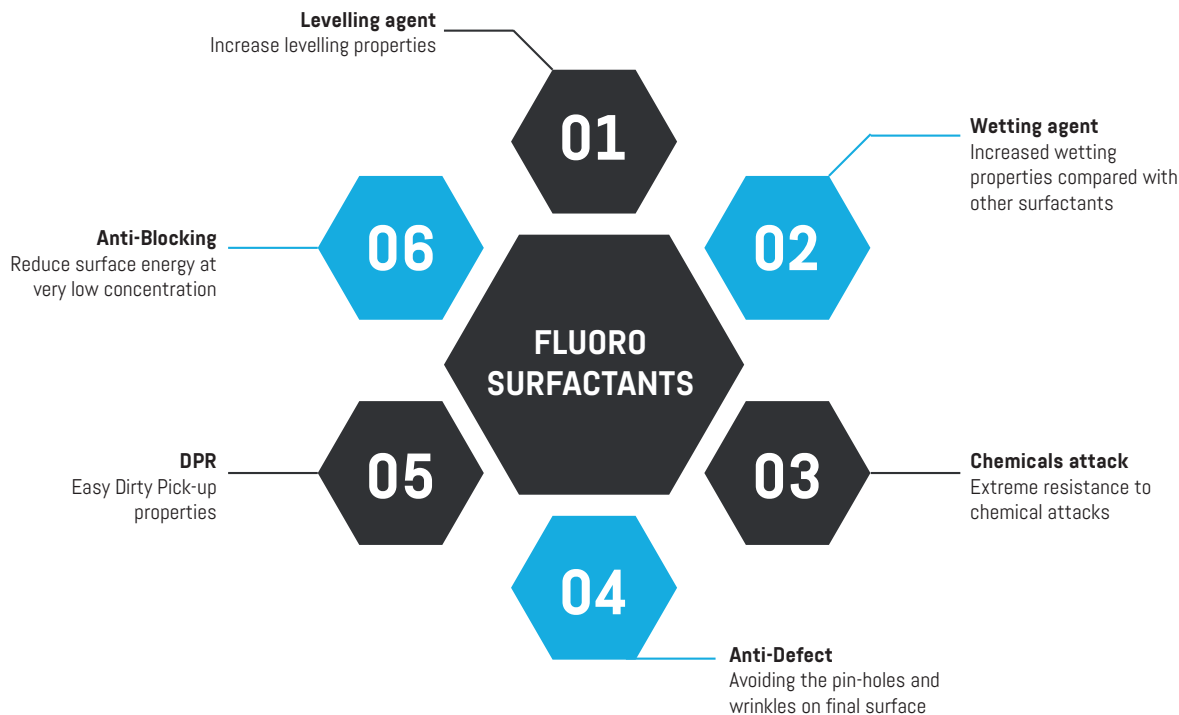
## PRODUCT OVERVIEW:

HEXAFOR® surfactants are highly effective and efficient fluorinated surface-active agents based on short perfluorinated chains. They are especially designed to provide both rapid spreading, wetting and levelling performances to a broad range of water and solvent borne systems such as detergents, paints, varnishes, inks, waxes, floor polishes, adhesives, battery and a variety of specialty applications. The use of HEXAFOR® surfactants allows the development of formulations showing improved performances.

## PROPERTIES:

- Reduce surface tension
- Wetting
- Emulsifying
- Spreading
- Foaming control
- Levelling
- Antifogging
- Anticorrosion
- Overcome surface contamination defects
- Dirt pick up resistant
- Open time improvement
- Anti-Blocking
- Low foam formation

PRODUCTS	IONOGENITY	CHEMICAL DESCRIPTION	SOLVENT	ACTIVE SUBSTANCE	RECOMENDED FOR
HEXAFOR® 601	Anionic	Phosphate esters	Water	15%	Water borne
HEXAFOR® 631	Non-ionic	Polymeric ethoxylate	Water	25%	Water borne
HEXAFOR® 633	Non-ionic	Polymeric ethoxylate	-	100%	Water borne, Solvent borne
HEXAFOR® 635	Non-ionic	Polymeric ethoxylate	Water	25%	Water borne
HEXAFOR® 636	-	Polymeric acrylic	-	100%	Solvent borne
HEXAFOR® 641	Anionic	Sulfonic acid/Lithium salt	IPA/Water	25%	Water borne
HEXAFOR® 642	Anionic	Polymeric acrylic	-	100%	Water borne, Solvent borne, Solvent free
HEXAFOR® 644-D	Non-ionic	Polymeric acrylic	DPM	25%	Water borne, Solvent borne
HEXAFOR® 672	Non-ionic	Polymeric ethoxylate	DPM	10%	Water borne
HEXAFOR® 675	Non-ionic	Polymeric ethoxylate	Water/Ethylene Glycol	50%	Water borne
HEXAFOR® 676	Non-ionic	Polymeric ethoxylate	Water	65%	Water borne, Solvent free
HEXAFOR® 678	Non-ionic	Polymeric ethoxylate	-	100%	Water borne, Solvent borne, Solvent free
HEXAFOR® 678-W	Non-ionic	Polymeric ethoxylate	Water	25%	Water borne, Solvent free
HEXAFOR® 685	-	Polymeric acrylic	Distillate (petroleum)	25%	Solvent borne
HEXAFOR® 692	-	Polymeric acrylic	Butyl acetate	25%	Solvent borne
HEXAFOR® 695	Cationic	Modified polyurethane	Water/DMM	30%	Water borne



	<b>SURFACE TENSION 0,1% [DYNES/CM]</b>	<b>APPLICATIONS</b>	<b>BENEFITS</b>
	16,9	Architectural coatings, Floor finishes, Waxes, Polishes	Anti-blocking agent, oil repellence properties, dirty pick up resistance, wetting and levelling agent.
	17,9	Inks, Paints, Adhesives, Polish, Battery	Reduces surface energy of water-based floor finishes, waxes and polishes. Zinc battery scale inhibitor. Low foam formation.
	24,8	Polish, Paint, Wood coating	Flow and levelling agent in paints, adhesives, caulks, architectural coatings, inks. Zinc battery scale inhibitor.
	17,9	Inks, Paints, Adhesives, Polish, Battery	Reduces surface energy of water-based floor finishes, waxes and polishes. Metal and Electronic.
	-	Slip and levelling agent. Car refinish paint.	For baking enamels based on alkyd, acrylic or polyester resins. Very soluble in hydroxyl resins for 2K coating. Air-drying alkyd systems.
	15,2	Polish, Paint, Wood coating	Reduces surface energy at very low concentrations. In wood coatings, it helps the varnish to overcome surface contamination defects at very low concentration (0,02%).
	20,3	Inks, Paints, Adhesives	Solvent-free wetting and dispersing additive. Aqueous coating systems. Printing inks and liquid colour masterbatches. Stable aqueous effect of pigment dispersions.
	20,5	Adhesives, Inks, Batteries	Flow and levelling agent in paints, adhesives, caulks, architectural coatings and inks.
	18,2	Cleaners, Paint	Solvent-borne wetting and dispersing additive with low to moderate foam formation.
	18	Paints, Coil Coating	Improves wetting, enhances levelling, reduces cratering. Compatible with most aqueous-based waxes and polishes.
	18,7	Cleaners	Cleaners for glass and hard surfaces. It is "ultimately biodegradable" as defined by annex III of the European Regulation 648/2004/EC on detergents.
	17,6	Inks, Paints, Adhesives, Polish	It is stable in acidic, basic, and in water with high hardness.
	17,6	Inks, Coil Coating, Polish	Reduces surface energy of water-based floor finishes, waxes and polishes.
	-	Foam stabilizer	Reduces surface tension. Improves wetting and levelling. Reduces cratering, fish-eyes effect and orange-peel effect. At the right dosage it is used as foam stabilizer.
	-	Paints	Provides both surface water and oil repellence and chemical resistance to the resulting coated film.
	-	Wood Coating, Paints, Inks	Improves cleanability of oily dirt and provides oil repellence to flat architectural paints and waterborne coatings. Provides good dirt pick up resistance (DPR) for exterior latex paints.



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