



TEXTILE WATER & OIL REPELLENCE

HEXAFOR® // HYDROSIN®
TEXTILE FINISHING



TEXTILE REPELLENCE



HEXAFOR® PRODUCT OVERVIEW:

HEXAFOR® fluoropolymers are specifically designed to impart durable water repellence (DWR) effect, oil repellence and stain release properties to various kind of fabrics. These polymers are suitable for both textiles and nonwoven materials as high-performance outdoor equipments and work-clothes. Once properly applied they do not interfere neither with the original breathability or the softness of the fabrics. All of our C6 HEXAFOR® fluoropolymers are Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) free.

PROPERTIES:

- EXCELLENT WATER- AND OIL- REPELLENCE
- SOLVENT RESISTANCE
- DURABLE WATER REPELLENCE (DWR) EFFECT
- STAIN AND SOIL RELEASE
- EASY TO CLEAN PROPERTIES
- RESISTANT TO DRY CLEANING AND ABRASION
- THE ORIGINAL APPEARANCE OF THE FINISHES DOES NOT CHANGE
- COMPATIBLE WITH MANY OTHER BATH AUXILIARIES
- POSSIBILITY OF LOW CURING TEMPERATURE
- NONWOVEN BARRIER PERFORMANCE FOR MEDICAL, FILTRATION AND AUTOMOTIVE APPLICATIONS
- PFOA CONTENT BELOW LIMIT OF DETECTION (cannot break into PFOA)
- OEKO-TEX® STANDARD 100 COMPLIANT WHEN USED ACCORDING TO TECHNICAL DATA SHEET

TEXTILE WATER & OIL REPELLENCE

HEXAFOR® PRODUCTS	IONIC NATURE	ACTIVE SUBSTANCE	pH	CHEMICAL DESCRIPTION	FEATURES & BENEFITS
T-08F	Weakly cationic	27%	3,5-5,5	(Meth)acrylic polymer in water	Finishing product for extremely durable water and oil repellent treatment of textiles made of synthetic and cellulosic fibres. In particular, it has an excellent washing resistance.
T-62	Weakly cationic	32%	3-5	(Meth)acrylic polymer in water	Finishing product for extremely durable water and oil repellent treatment of textiles made of synthetic and cellulosic fibres (especially for cotton, polyester and their blends).
T-63	Non-ionic	28%	3-5	(Meth)acrylic polymer in water	It provides an excellent water and oil repellence, as well as stain and chemical resistance. It is compatible with various crosslinking agents, catalysts, softeners and other textile auxiliaries. It is specifically designed for technical textile and for wool. Due to the low temperatures required during the application, it is suitable for PP and its mixtures. It does not change the stiffness of polyester fibres. It also protects the fibre colours.
T-68	Weakly cationic	30%	3-5	Acrylic polymer in water	Finishing product for extremely durable water and oil repellent treatment of textiles made of synthetic and cellulosic fibres (especially for cotton, polyester and their blends).
T-70	Weakly cationic	29%	3,5-5,5	(Meth)acrylic polymer in water	Highly efficient finishing product for durable water and oil repellent treatment of textiles made of cellulose, synthetic fibres and their blends. The best performances are achieved on cotton textiles.
T-82	Weakly cationic	32%	3-5,5	(Meth)acrylic polymer in water	Finishing product for extremely durable water and oil repellent treatment of textiles made of cellulosic fibres (especially for cotton). Excellent resistance to laundry and dry washing.
T-84	Weakly cationic	29%	3-5,5	(Meth)acrylic polymer in water	Highly efficient fluorocarbon protective agent, for finishing treatment of textiles made of synthetic fibres (in particular polyester and polyamide ones). In particular, it has an excellent resistance and stability to washing.

HYDROSIN® - PRODUCT OVERVIEW:

HYDROSIN® fluorine-free polymers are specifically designed for textile applications. They provide durable water repellence (DWR) effect and stain release properties to the treated materials. They do not contain neither PFC, PFOA, PFOS, APEO or organotin.

PROPERTIES:

- EXCELLENT WATER REPELLENCE
- DURABLE WATER REPELLENCE (DWR) EFFECT
- EASY TO CLEAN PROPERTIES
- RESISTANT TO DRY CLEANING AND ABRASION
- THE ORIGINAL APPEARANCE OF THE FINISHES DOES NOT CHANGE
- COMPATIBLE WITH MANY OTHER BATH AUXILIARIES
- POSSIBILITY OF LOW CURING TEMPERATURE
- OEKO-TEX® STANDARD 100 COMPLIANT WHEN USED ACCORDING TO THE TECHNICAL DATA SHEET



TEXTILE FLUORINE-FREE WATER REPELLENCE

HYDROSIN® PRODUCTS	IONIC NATURE	ACTIVE SUBSTANCE	pH	CHEMICAL DESCRIPTION	FEATURES & BENEFITS
NF-01	Weakly cationic	25%	4-6	Dispersion of fat-modified chemicals and paraffin	Fluorine-free hydrophobic agent that imparts water repellence and rainproof finishing on various cellulosic fibres and their blends with synthetic based fibres. Biodegradable > 90% (28d, DOC decrease). Method: OECD Test Guideline 302B.
NF-16	Weakly cationic	34%	3,5-5,5	Polymeric emulsion	Fluorine-free water-based polymer emulsion. It imparts water repellence to textiles and nonwovens (in particular synthetic fibres). It resists to washing and to dry cleaning.
NF-18	Weakly cationic	>30%	2,5-4,5	Polymeric emulsion	Fluorine-free water-based polymer emulsion. It imparts water repellence to textiles and nonwovens. It imparts washing resistance if used in combination with boosters as Hydrosin® NF-08 and Hydrosin® C-20.
NF-21	Weakly cationic	25%	3,5-5,5	Polymeric emulsion	Fluorine-free water-based polymer emulsion. It imparts water repellence to textiles and nonwovens. Excellent performances on cotton fabrics, providing high washing durability both to home-laundry and dry cleaning.





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