



HUTCHINSON®

SURFACE TREATMENTS

High performance



Marking



Powders

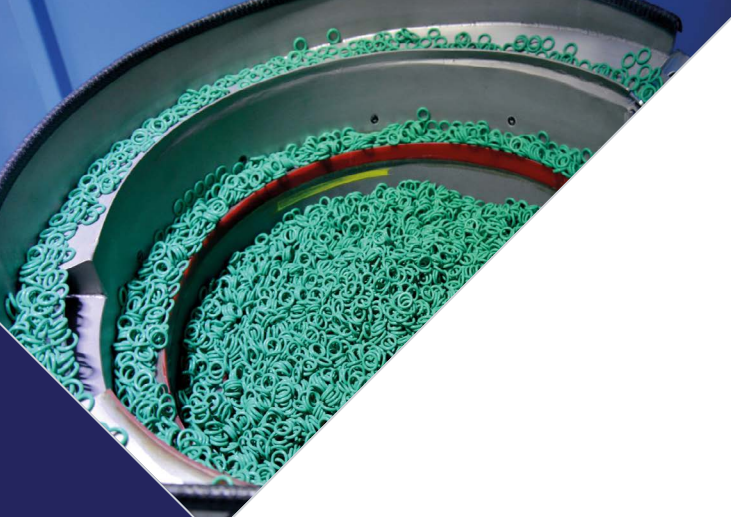


Wet films



Dry coatings

In-house Manufacturing, Safe Sealing



HUTCHINSON GROUP



> 40,000
employees



25
countries



100
sites



5% invested
R&D



> 4,8 M€
turnover

www.hutchinson.com



IMPROVED SURFACE EFFICIENCY

As an expert in precision sealing, Hutchinson offers a whole range of high performance surface treatments.

These treatments optimize the O-Ring surface to the specific conditions of use. They are tested and validated according to customers standards and requirements.

Our surface treatments are developed and applied in our plants in order to guarantee optimal quality.

Our processes respect both the environment and current regulations, while preserving rubber characteristics.

As part of a responsible innovation approach, we also develop PFAS-free surface treatments that meet new regulatory and environmental requirements, while preserving the intrinsic properties of rubber and maintaining a high level of performance.



ADVANTAGES

- > **Reduce insertion forces**
- > **Reduce friction forces and seal wear** for dynamic applications
- > **Enable distinction** between two identical seals (Poka-Yoke)
- > **Facilitate use** in automatic feeding O-Ring distribution systems

OUR SURFACE TREATMENTS



Markings









Powders



Wet films



Dry coatings

DESIGNATION	COLOR	ASPECT	COMPATIBILITY		APPROVALS	Assembly aid Non-permanent treatment	Assembly aid Permanent treatment	Aid to automatic feeding	Dynamic application	Color coding
			ELASTOMER FAMILIES	CLEANLINESS REQUIREMENTS						
 Markings (surface or line)	blue, green, orange, red, yellow, white	/	all except silicone	yes	/	-	-	-	-	++
 Talcum	white	mat	all	no	/	o	-	++	-	-
Molycoting	silvery	very shiny	all	no	/	o	-	++	-	-
Lubrifilm SG	transparent	non-oily grease	AEM, EPDM, FKM, FVMQ, HNBR, NBR	no	/	++	-	-	-	-
Lubrifilm FP	transparent	greasy, slightly shiny	AEM, EPDM, FKM, FVMQ, HNBR, NBR	yes	/	++	-	o	-	-
Lubrifilm FP-ST				yes	/					
 Lubrifilm SF	transparent	shiny	AEM, EPDM, FKM, FVMQ, HNBR, NBR	yes	/	++	-	o	-	-
Silicone HF	transparent	greasy, very shiny	all except silicone	no	drinking water	++	-	-	-	-
 Lubriccoat A WB3-N	transparent, blue, green, orange, red, grey, purple	dry	AEM, EPDM, FKM, HNBR, NBR	yes	/	-	++	+	+	++
 Lubriccoat HT	Transparent	dry	ACM, AEM, FKM, HNBR, NBR	yes	/	-	o	+	++	-
Lubriccoat I	blue, orange, red, transparent (slightly milky)	dry	EPDM, FKM, HNBR, NBR	no	drinking water (IT version)	-	+	+	-	++
Lubriccoat J	White, blue, yellow, orange, red, transparent, green	dry	AEM, EPDM, FKM, HNBR, NBR	no	/	-	-	++	-	++
 Lubriccoat KT	transparent	dry	AEM, EPDM, FKM, HNBR, NBR	yes	/	-	++	+	+	-

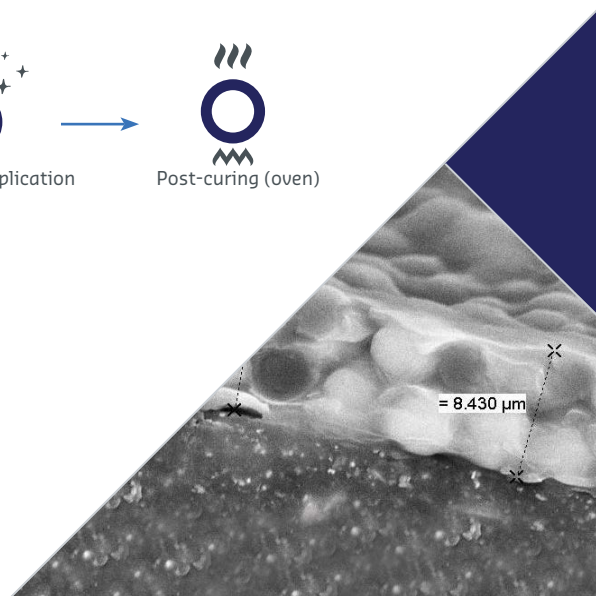
- Not applicable o Moderately suitable + Suitable ++ Highly suitable

OUR PROCESS

SPECIFIC PROCESS FOR LUBRICOATS



GENERAL PROCESS FOR SURFACE TREATMENTS



SITES AROUND THE WORLD



ABOUT US

As a leader in the manufacturing of sealing systems, Hutchinson® designs and produces standard and tailor-made sealing solutions, such as O-Rings, X-Rings, and Bonded Seals.

Since 1948, our expertise has enabled us to support customers worldwide in all industrial sectors. From the formulation of elastomer compounds to the production of parts in small or large series, we control the entire manufacturing process within our own facilities.

Thanks to our *One Plant Concept* approach, we ensure perfect consistency in our production processes in all countries where we operate. This model allows us to guarantee a constant level of quality while remaining close to our customers.



www.oring.hutchinson.fr/en

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ABOUT HUTCHINSON



€4.8 Md
turnover



25
countries



5% invested
each year in
research &
innovation



100 sites
around
the world



> 40 000
employees



French
Company