



HUTCHINSON®

We make it *possible*

SURFACE TREATMENTS

High performance



Marking



Powders



Wet films

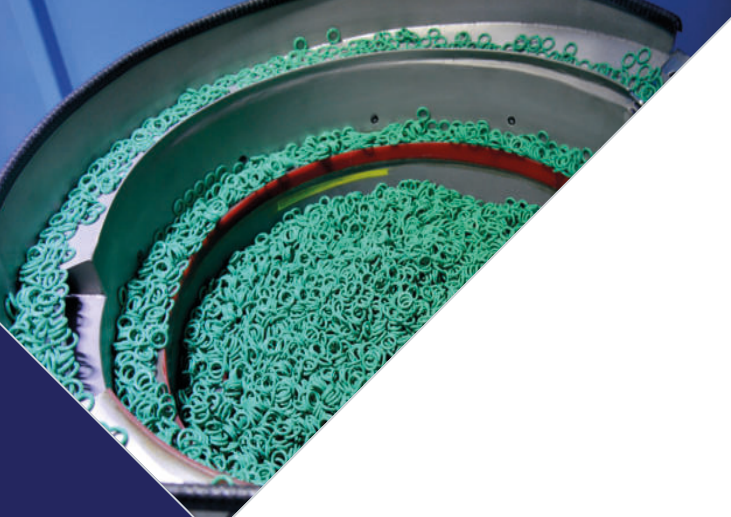


Dry coatings



Chemical
treatments

In-house Manufacturing, Safe Sealing



HUTCHINSON GROUP



> 38,000
employees



25
countries



100
sites



5% invested
R&D



> 3,879 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.



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



Treatments chemical

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	-	++	-	-
Molycoating	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	/					
Silicone HF	transparent	greasy, very shiny	all except silicone	no	drinking water	++	-	-	-	-
Lubriccoat A WB3-N	black speckled, blue, green, orange, red, grey	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	/	-	++	+	+	-
Lubri PB	transparent	dry	mainly NBR	yes	/	-	o	+	++	-

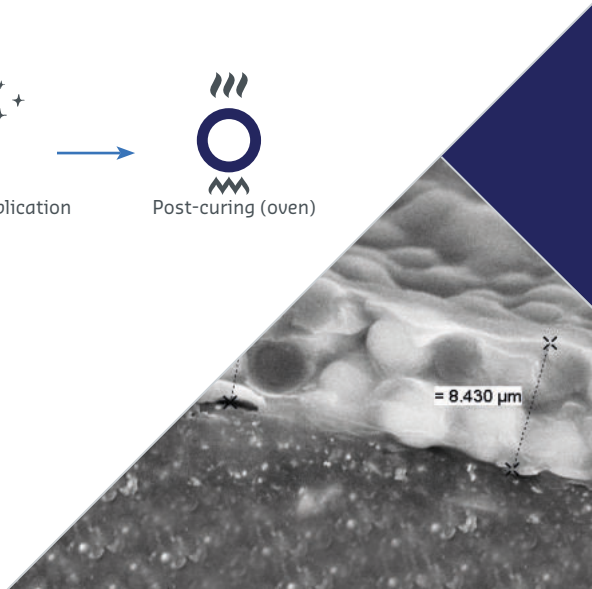
- Not applicable o Moderately suitable + Suitable ++ Highly suitable

OUR PROCESS

SPECIFIC PROCESS FOR LUBRICOATS



GENERAL PROCESS FOR SURFACE TREATMENTS





HUTCHINSON®



WORLDWIDE LOCATIONS



We make it *possible*



SALES OFFICES

▶ EUROPE

Château-Gontier - FRANCE
oring@hutchinson.com
+33 2 43 09 23 20

Turin - ITALY
oring@hutchinson.com
+39 01 19 50 74 121

Mannheim - GERMANY
info.mannheim@hutchinson.com
+49 621 39710

▶ NORTH AMERICA

Houston - USA
pss-salesna@hutchinson.com
+1 832 243-4644

Auburn Hills - USA
pss-salesna@hutchinson.com
+1 248 375-4194

▶ SOUTH AMERICA

Monte Alto - BRAZIL
precision@hutchinson.com.br
+55 16 3244 1300

▶ ASIA

Suzhou, Wuhan, Beijing, Chongqing - CHINA
oring.china@hutchinson.com
+86 0512 8518 8298 (8862)

Chennai - INDIA
oring.india@hutchinson.com
+91 44 6712 8803

Tokyo - JAPAN
oring.japan@hutchinson.com
+81 3 6711 8087

Bangkok - THAILAND
oring.thailand@hutchinson.com
+66 2 16 36 36 4-71 Ext. 205

Seoul - South Korea
oring.korea@hutchinson.com
+ 82-2 425 2600

www.oring.hutchinson.fr/en
oring@hutchinson.com