

BRIEF INFORMATION

Surface Treatment
from AHC – naturally



*Innovative and highly functional
surface designs*

Nature has some ingenious ideas for designing functional surface structures to perfectly accommodate the environment. This knowledge from the millions of years of evolution is valuable information and creative inspiration for us to develop innovative and functional surfaces for materials of different compositions.



Processes of the AHC-Group

Anodic processes

HART-COAT®

Hard anodising

HC-GL

*Hard anodising
low roughening*

HC-PLUS

Hard anodising + PTFE

TUFRAM®

*Hard anodising with
fluoropolymers*

CompCote®

*Aluminium oxide polymer
composite*

SELGA-COAT®

Selective galvanic coating

Anodising

**Colour anodisation
of aluminium and titan material**

Plasma chemical anodising

KEPLA-COAT®

for aluminium and titan

MAGOXID-COAT®

for magnesium

Chemical processes

MAGPASS-COAT®

*Chrome-free passivation
for magnesium*

**Cr-VI-free passivation
for aluminium**

Aluminium yellow chromating

DURNI-COAT®

Electroless Nickel

PTFE-DURNI-DISP

Electroless Nickel with PTFE

SIC-DURNI-DISP

*Electroless Nickel with
silicon carbide*

NEDOX®

*Electroless Nickel with
fluoropolymers*

Galvanic coatings

DURALLOY®

Structured chrome

SELGA-COAT® CHROME

Selective hard chrome plating

Chrome

Copper

Gold

Hard chrome

Nickel

Nickel sulfamate

Silver

Tin

Special processes

SYNCOAT®

*Layer combinations
with fluoropolymers*

HI-T-LUBE®

The world's smoothest layer

HMF®

Mikrofinish as smooth as glass

LECTROFLUOR®

Coating based on polymers

SILA-COAT® 5000

Sealings

LASOX-COAT®

*Selective oxidation of
aluminium surfaces*

IVD

Aluminium vacuum coating

(All technical values published in this brochure are subject to the test conditions specified.

We therefore emphasise that the applications and operating conditions,

along with the end user's practical experience, will ultimately determine the level of performance achieved by the processes.)

The following processes are outlined in this brochure:	Page
HART-COAT®	3
CompCote®	5
SELGA-COAT®	7
Anodising	9
MAGOXID-COAT® / KEPLA-COAT®	11
MAGPASS-COAT®	13
DURNI-COAT®	15
DURALLOY®	17
High Tech Galvanics	19
Synergetic Coatings	21
SILA-COAT® 5000	23
SELGA-COAT® CHROME	25
LASOX-COAT®	27
IVD	29