

9 marzo 2023 Sheraton Milano San Siro



BEYOND CHROME



Our TRIPLE PARALLEL strategy

to secure a leading role for gravure printing in the future



ChromeXtend

Our intermediate solution for the further use of Chromium trioxide



ChromeXtend

Status and timeline of ChromeXtend authorization



ChromeXtend

The necessary Plating Standards (EHS package)







CTAC authorization until Sept. 2024

ChromeXtend - K.Walter authorization valid until Dec. 2032 (EU authorization imminent)

the period until Dec. 2032 for substitution of chromium (VI) based technologies to other technologies (HelioChrome[®] NEO)

HelioChrome[®] NEO THE FUTURE OF HARD CHROME PLATING

Now available!

Trivalent Chrome Electrolyte

Substitution to current Cr (VI) process

Seamless integration in process flow

Seamless integration in printing process

Lower energy consumption

Lower health risks

No ECHA authorization necessary

NOW AVAILABLE WITHIN THE EU, FOR PACKAGING SIZE CYLINDERS

Successful printed production:

At development partners and pilot customers Huhtamaki, Wipak, GPI Packaging, and Windmöller & Hölscher.

On different substrates (cardboard, OPP, BOPP, MDO PP) With different ink systems

- With different doctor blade systems
- At different printing speeds (up to 500m/min)

With different run lengths (up to 2 million linear meters)



HelioChrome[®] NEO tank / Chrome nugget dissolution cell



Impression of the second tank in assembling



HelioChrome[®] NEO

Seamless integration into existing workflow

No carcinogenic or mutagenic exposures/risks to employees/environment

Process technology fully automated with simple process handling

Helio[®] Pearl Polymeric – Laser Engravable – Monolayer A development project



Our targets for a new gravure printing form



Helio[®] Pearl



Helio[®] Pearl

Current Status development 2023

Test installation at K. Walter

Several successful print tests at W&H and HDMI

Print tests at regular intervals at HDMI

Over 350 cylinders coated

70 HelioPearl cylinders printed already (test prints)





Lower investment

Lower Cylinder Costs

Faster manufacturing times / time to press



ChromeXtend Use of Chrome (VI) until Dez. 2032 EU authorization imminent





HelioPearl[®] The new gravure printing form Under development

Further information in our new brochures





BASED ON INNOVATION.

K.WALTER



BASED ON INNOVATION



9 marzo 2023 Sheraton Milano San Siro



Chrome (VI)? – problema risolto! Chrome (VI)? – Problem solved! Chrome (VI)? – Problem gelöst!

Thank you for your attention

