

# WEROGRAPH®-HX

## SPECIAL MATERIAL PREVENTING RUBBER CORROSION



Graphic roller covering showing advanced oxidative surface damage.

### Product description:

**A** new type of roller covering, combining the benefits of increased chemical resistance and enhanced wear properties in a single product – with impressive results.

■ WEROGRAPH®-HX offers better resistance against the effect of chemicals and more resilience against oxidative attacks and surface damage than other rubber compounds commonly used.

■ This protects the graphic roller covering from unpredictable interactions, such as the formation of orange peel effects and premature breakdown due to mechanical wear.

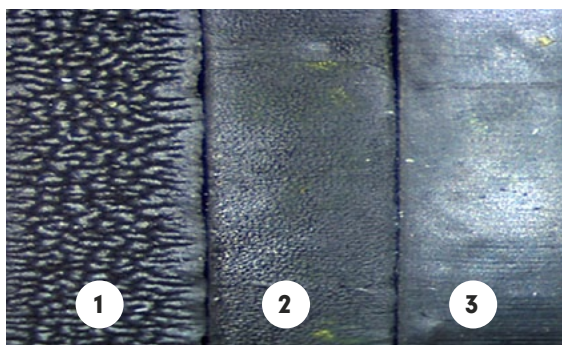
■ WEROGRAPH®-HX is the number one choice whenever modern, cobalt-free drying agents are used – in inks drying by absorption and oxidation, for instance, or in fountain solution additives that can cause complex and hard-to-predict chemical interactions. (fig.4: OXIGRAPH).

### Applications:

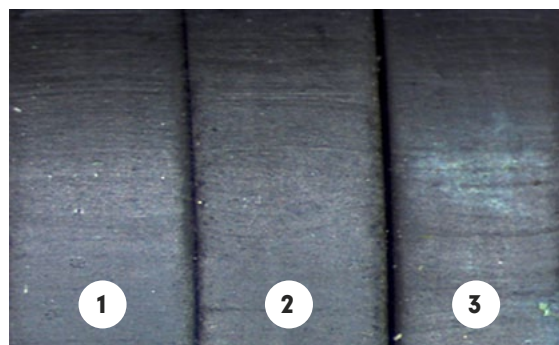
- ✓ Conventional offset printing
- ✓ High-speed printing presses

### Product features:

- ✓ Protects the roller covering from abnormal post curing
- ✓ Reduces chemical interactions
- ✓ Reduces roller surface wear



**Fig. 2: WEROGRAF®**



**Fig. 3: WEROGRAF®-HX**

■ Figure 2 and 3 show the edges of standard test specimen after chemical interaction with various substances:

- 1 Noticeable reference colour, water with additive #1
- 2 Noticeable reference colour, water with additive #2
- 3 Noticeable reference colour, water without additive

## OXIGRAPH

■ The OXIGRAPH (**Fig.4**) captures possible influencing factors and their reciprocal effects, which may result in complex, hard-to-predict che-micr interactions.

### Recommended cleaning agents:

All cleaning agents approved for NBR by Fogra Forschungsgesellschaft Druck e.V.

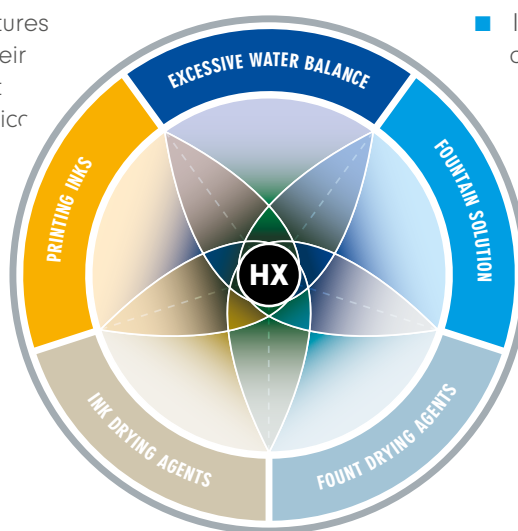
([www.fogra.org](http://www.fogra.org)).

### Setup and adjustment:

- Installation and adjustment according to the printing press manufacturer's specifications.

### Storage conditions:

- Rollers should be stored in a way that avoids deformation of, or mechanical damage to, the roller covering; ideally, standing or suspended on the shafts. For storage, cleaning and maintenance of rubber products, the ISO 2230 standard applies.



**Fig.4: OXIGRAPH**

### Disclaimer:

■ The above information is based on our knowledge and experience under normal conditions, assuming the product is stored and used properly. This data serves to characterise the material properties and does not constitute minimum values by way of specification. Subject to technical modifications.