



Hydrofast® AFS 341

Designed especially for printing without alcohol

Fountain solution for all Sheetfed presses

Product Features

- Hydrofast® AFS 341 contains a special system of corrosion inhibitors.
- Hydrofast® AFS 341 can be implemented on all press types and damping systems.
- Regardless of ink and plate type it is possible to print alcohol-free using Hydrofast® AFS 341, although up to 5% IPA can be added if desired.
- For various types of presses and damping systems it may be necessary to exchange trough roller, fount oscillator and fount roller against coarser or more hydrophilic ones. When used with standard rollers the water feeding may have to be increased considerably. This does not mean that more water is emulsified into the ink. Only the higher water transfer of isopropanol is compensated.
- Excessive emulsification is avoided by an optimised ink/water balance. Thus a broad "water window" is achieved. Problems caused by too high water quantities in the printing ink are minimised.

Advantages of Hydrofast® AFS 341

- Special formulation for alcohol-free printing.
- Can be mixed with up to 5% IPA.
- Suitable for CtP-plates.
- Corrosion inhibited.
- Optimised ink/water balance.

Hydrofast® AFS 341

Features	Advantages	Benefits
<ul style="list-style-type: none"> Reduces/eliminates alcohol (IPA). 	<ul style="list-style-type: none"> Environmentally responsible. Safer working environment. No additional additives required. 	<ul style="list-style-type: none"> Significant cost savings achievable. User friendly. One-step solution.
<ul style="list-style-type: none"> Universal. 	<ul style="list-style-type: none"> For use on all plates, stocks, inks, dampening systems and water conditions. Increased production flexibility. 	<ul style="list-style-type: none"> Complete versatility and enhanced performance. Cost savings.
<ul style="list-style-type: none"> Minimal damp. 	<ul style="list-style-type: none"> Reduced ink build-up on impression cylinders. Improved ink drying. 	<ul style="list-style-type: none"> Reduced wash-ups of impression cylinder. Reduced set-off.
<ul style="list-style-type: none"> Improved wetting system. 	<ul style="list-style-type: none"> Reduced alcohol consumption. Reduced VOC's. 	<ul style="list-style-type: none"> Denser colours. Increased ink mileage. Environmentally friendly.
<ul style="list-style-type: none"> Stable buffer system. 	<ul style="list-style-type: none"> Accurate control of pH. 	<ul style="list-style-type: none"> Consistent print quality.
<ul style="list-style-type: none"> Non-foaming. 	<ul style="list-style-type: none"> Better dampening solution control. 	<ul style="list-style-type: none"> Reduced waste.

Product code

KT10-041G-#### (final 4 digits relate to pack size).

Pack sizes

10kg (FJF9), 20kg (FJH5) and 200kg (FJN1).

Recommended dosage

Between 4% and 5% (between 2 and 3% if IPA is added), depending on local water conditions.

pH value

4.8 – 5.3 depending on water quality and dosage.

Density

1.06 (±0.02) kg/l.

Notes

When preparing the dampening solution, first add the dampening solution additive to the water and then if necessary add alcohol, otherwise incompatibility may occur.

Follow relevant Good Manufacturing Practice (GMP) guidelines if used for the production of food packaging.

Approvals

OEM approved (Heidelberg, KBA and manroland Sheetfed presses) in accordance with Fogra corrosion and elastomer swell testing criteria.

More products. Streamlined access. Greater results.

Flint Group's Print Media division offers a uniquely powerful combination of products, services and expertise; giving you access to the industry's broadest range of pressroom products.

Inks and Coatings. Pressroom Chemicals. Blankets. Sleeves. Consumables.

Rely on us for consistency, reliability and customer focus. Our aim is to make it easier for you to achieve your business goals. With Flint Group products in your pressroom, you can run your business with confidence and peace of mind.

You are welcome to contact us for further information.

The aim of our technical documents is to inform our customers about general values. However, the transferability of general values known from experience and laboratory results to concrete practical applications depends on a number of factors which are beyond our control. We therefore ask for your understanding that this advice document cannot be used as the basis for claims in law. Furthermore, the correct application for each product has to be checked carefully for suitability.

Product names followed by ® are trademarks registered by Flint Group Incorporated.

Print Media Europe
Varn House, Brinell Drive,
Northbank Industrial Park, Irlam,
Greater Manchester, M44 5BL, UK.

T +44 (0)161 775 5412
F +44 (0)161 775 5415
printmedia.eu@flintgrp.com
www.flintgrp.com