

TECHNICAL DATA SHEET

Varn® Ultra 4100 Fount KT10-188

**Description:**

Ultra 4100 is a general purpose fountain concentrate with excellent calcium control, ideal for packaging and folding carton applications. Formulated for use with UV inks and metallics and also performs well with the latest low energy-high reactivity UV inks and with conventional inks too.

A complete product that prints sharper and will give clean, quick start-ups with a definite reduction in ink consumption. Because less ink and water are run, ink comes off the press drier and denser colours are obtained.

Includes a non-foaming, fully biodegradable alcohol reduction system. Partial alcohol reduction, or in some cases total elimination is possible on presses equipped with less difficult dampening systems.

Application:

- Recommended dosage of 2.00 - 4.00 %, depending on local water conditions.
- Fount for normal water conditions < 15 degrees German hardness < 250ppm Calcium Carbonate.
- Follow relevant Good Manufacturing Practice (GMP) guidelines if used for the production of food packaging.
- Typical IPA levels 5.00 - 10.00 %.

Key Features:

- Reduced set-off.
- Reduced wash-ups of impression cylinders.
- Denser colours and increased ink mileage.
- Consistent print quality.
- Reduced alcohol consumption and reduced VOC's.
- Accurate control of pH.
- Environmentally friendly.
- Better dampening solution control.
- Non-foaming.
- Improved wetting system.

Certifications:

- OEM certified by Heidelberg, manroland sheetfed & KBA in accordance with Fogra corrosion and elastomer swell criteria.
- ISEGA certified for safe use in the printing process of food packaging materials.

For more details, contact your nearest Flint Group Packaging Solutions office or dealer.

Flint Group Packaging Solutions
www.flintgrp.com
info@flintgrp.com

DISCLAIMER

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Flint Group's knowledge. No liability for any errors, facts or opinions is accepted. Customers/Users must always make every effort to ensure that the products employed are suitable and appropriate for the purpose intended. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.

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

Version: 17/05/2026

TECHNICAL DATA SHEET

Varn® Ultra 4100 Fount KT10-188

**Storage:**

- The products should be processed within 12 months after production date.
- To prolong the shelf life of the fount concentrate, we recommend storing the product in its original, un-opened packaging at room temperature (20 - 25°C), as correct storage conditions are essential.

Quality / Environment / Health & Safety

Flint Group maintains a comprehensive Management System that integrates quality, environment, health & safety. Our production and quality control processes meet high industry standards, ensuring product safety and reliability. When used as intended, our products are safe and pose no hazards under normal conditions. For more details, refer to the Safety Data Sheet.

Handling precautions – skin sensitization

Ensure the use of proper protective equipment when handling chemicals. For detailed guidance, refer to the Safety Data Sheet and consult with your PPE (Personal Protective Equipment) provider.

Additional Information

Please contact your local Flint Group Customer/Technical Service if further information is required.

For more details, contact your nearest Flint Group Packaging Solutions office or dealer.

Flint Group Packaging Solutions
www.flintgrp.com
info@flintgrp.com

DISCLAIMER

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Flint Group's knowledge. No liability for any errors, facts or opinions is accepted. Customers/Users must always make every effort to ensure that the products employed are suitable and appropriate for the purpose intended. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.

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

Version: 17/05/2026