

Paper conditioning – Uncoated Paper

Introduction

Paper dimensions are highly sensitive to humidity variations because cellulose fibres are very hygroscopic and oriented in the machine direction. That's why we supply paper in water-proof packaging in this way we make sure that flatness, curling and dimensional stability are kept under control.

Once the packaging is opened, moisture exchange with the environment may occur and humidity imbalance can lead to issues like waviness, curling, ink drying, picking, delamination...

Recommendations

1. Store under good ventilation conditions. Avoid storing paper in areas subject to extreme temperature/humidity changes. Paper must be protected from direct sunlight.
2. Paper should never be stored in direct contact with concrete (outside walls, ground), where it may be exposed to moisture and damp conditions.
3. In any case, extremes of temperature and humidity must be avoided.
4. Paper needs to be acclimatized to the pressroom temperature before opening the packaging. It may need between 24 and 48 hours, depending on the volume of the stacks or reels and the difference in temperature between the warehouse and the pressroom.
5. If the product is not to be used immediately, it must remain stored in its original packaging. Avoid damage to wrapping and re-wrap any paper not used.
6. If you need to cut paper, don't do it too long before printing it. And rewrap the cut paper if you are not going to use it shortly.
7. Ideally pressrooms should be conditioned to: 50% ($\pm 5\%$) relative humidity, and 23°C ($\pm 2^\circ\text{C}$) temperature.
8. Before starting a production run, check that the printability is correct on both sides' of 30/50 sheets.
9. It is prudent for the lithographer to test both sides of the paper at the beginning of each job to verify print quality. We recommend a minimum of 40 sheets be printed on each side to ensure print quality meets customer requirements.

*Information provided is accurate to the best of our knowledge, but it does not constitute a guarantee
Last update: 05/2026*