



# GWENT GROUP

ADVANCED MATERIAL SYSTEMS

## DILUTION OF PASTES AND INKS

Most of our pastes and inks are supplied at a rheology suitable for immediate use and do not need further dilution.

Please note, that once the container of paste or ink has been diluted, we can no longer guarantee the properties and performance. After opening, the ink or paste should be stirred gently and thoroughly before use to ensure complete homogeneity of the ink or paste. We would recommend that you use the material within its shelf life period, after gentle stirring without dilution.

### Inks and Pastes based on conventional Thermoplastic Binder Systems

However if you should decide that dilution is necessary to accommodate your printing process then please proceed as follows:-

If dilution is needed, the minimum amount of the recommended solvent should be used just to replace any evaporated solvent.

In formulations designed for dipping or brushing, only take the minimum amount from the container ready for dilution. Do not dilute the full amount unless you are going to use it immediately. These pastes run the risk of settling out.

### Inks and Pastes based on Heat Curable Thermoplastic Binder Systems

Heat curable inks and pastes based on thermoplastic binder systems should not be diluted with solvent. The inks contain a functional resin system which is activated at temperatures above 90°C. The presence of solvents containing functional groups may interfere with the cure mechanism resulting in inferior performance of the ink.

For further information on dilution and care of your inks and pastes, please contact our technical experts at:-  
**Sales@gwent.org**

