



**Edwin Tafelmeier**  
Research &  
Development

# UVU-

## A CLASS OF ITS OWN

There has always been a demand on the market for universal ink systems. Mainly printers who have various applications have a clear advantage if they use multi-purpose products. Many different jobs can be printed with only one ink range independent from substrate and requirements.

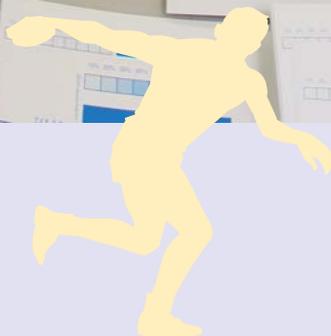
To date there has not been any system that satisfactorily meets all requirements. Considering the large variety of substrates and the many different processing and resistance requirements an ink system has to meet, this is an almost impossible task.

Nevertheless Coates Screen Inks GmbH has now successfully developed an ink system for universal graphic screen applications.

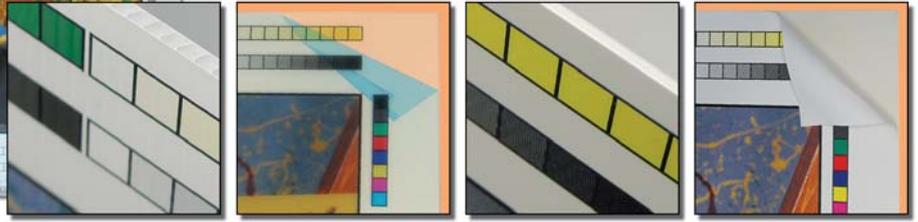
### **EXCEEDING EXPECTATIONS:**

Athletic decathlon is considered to be the king of sports. This sport requires a great deal of versatility as well as a lot of stamina. These qualities justify our comparing this sport with our ink type UVU.

We do compare performance with the record holder of the individual discipline. Reactivity, resistances, printability and efficiency of UVU are hardly surpassed even by screen ink types, especially formulated to meet only one of these properties. This new ink type offers advantages, which can hardly be surpassed at present.



PET-G  
 RIGID FOAM BOARDS POLYCARBONATE  
 PP-WALL SHEETS  
 ACRYLIC GLASS PMMA  
 POLYSTYRENE  
 PLASTICIZED PVC FOILS



## INTRODUCING OUR NEW CHAMPION

UVU is a screen ink curing by UV-radiation suitable for a large variety of different substrates. UVU inks can be easily applied to rigid PVC as well as on plasticized PVC foils, plastics such as polystyrene and polycarbonate, acrylic glass or PET-G. In all cases adhesion is excellent.

UVU is even suitable for paper and cardboard substrates, even for pre-treated polypropylene, such as PP wall sheets, printed in large amounts for election campaigns. Sometimes it may be necessary to use additive PP/UVU for PP wall sheets.

## UVU PROCESS INKS

These ink adjustments show a low ink pile as well as an excellent dot reproduction. UVU process inks have a high reactivity and are first choice for multi-colour printing equipment. Extensive printing trials have given evidence.

High resistance and light fastness of this ink will allow medium-term outdoor use of prints. The cost-benefit ratio was also considered when developing this ink type.

**Price-performance ratio is excellent. Users do not only have technical but also economic advantages.**

Even though most printing jobs can be done with only one ink range, the UVU, in some cases use of our well-known special ink types is suitable. After all, it is not a disgrace if others outdo a participant in a decathlon in some of the disciplines.

For instance our ink range UVX is unsurpassed in reference to flexibility combined with high processing speed. This ink type is especially suitable for PVC materials as there is hardly any brittleness. For example prints on PVC foil for advertisement purposes. For such applications it is necessary that the foil can be removed again without breaking into a lot of small pieces.

Another ink type with universal adhesion is our ink type MTR. Although less reactive this ink is best used if parts will be deep drawn or formed after printing.

On the other hand the winner in the discipline "adhesion on polypropylene" is our ink range UVPO, meeting even highest demands.

For universal applications UVU is the choice. This ink range meets the requirements and demands of most graphic screen applications. For especially demanding jobs our applications department will be happy to assist as the potential of UVU can even be increased by addition of suitable additives. Sportsmanlike we did refrain from doping....



UVU – our winner in the royal class. Convince yourself.....

