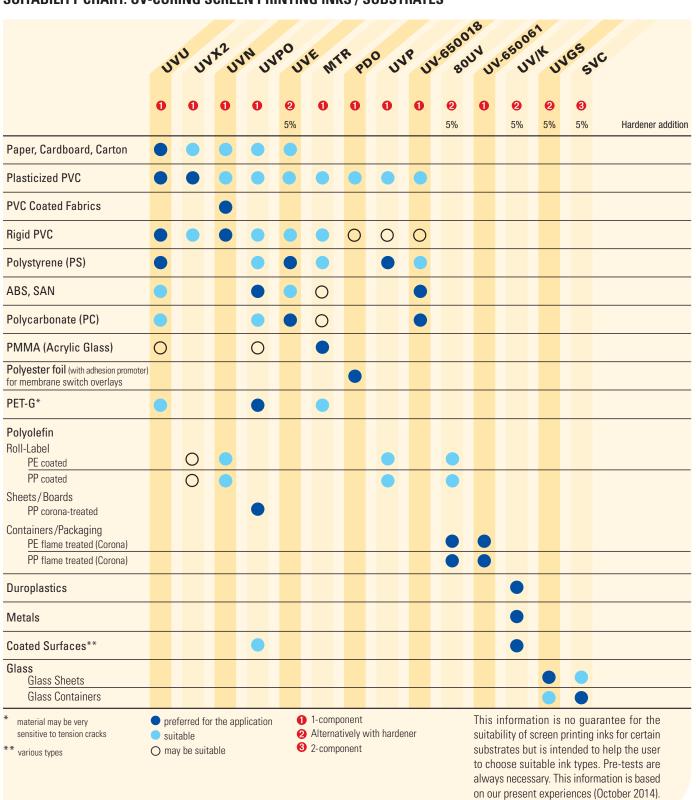


## **PRODUCT DATA SHEET**

## **SUITABILITY CHART: UV-CURING SCREEN PRINTING INKS / SUBSTRATES**



## **PROPERTIES OF UV INKS**

| INK TYPE   | ้ากก         | u ju         | 42 JW   | N NE    | JUP              | e mi   | IR PD   | 0 /14            | PJV              | 65001        | 9 July 114.  | 650061                 | IK UV              | es suc             |
|--|--------------|--------------|---------|---------|------------------|--------|---------|------------------|------------------|--------------|--------------|------------------------|--------------------|--------------------|
| Reactivity mJ/cm <sup>2 1)</sup>                                 | very<br>high | very<br>high | high    | medium  | high             | medium | high    | medium           | high             | very<br>high | very<br>high | low<br>from<br>approx. | medium             | medium             |
|  | 150          | 150          | 250     | 300     | 250              | 300    | 200     | 300              | 200              | 100          | 150          | 1000                   | 500                | 300                |
| Effects on substrate properties* tear resistance impact strength | low          | low          | medium  | medium  | high             | low    | low     | high             | high             | medium       | medium       | n.a.                   | n.a.               | n.a.               |
| Further processing of prints punching / cutting                  | good         | very<br>good | limited | limited | proble-<br>matic | good   | good    | proble-<br>matic | proble-<br>matic | limited      | limited      | limited                | n.a.               | n.a.               |
| forming  | no           | no           | no      | no      | no               | yes    | limited | no               | no               | no           | no           | no                     | n.a.               | n.a.               |
| Outdoor resistance   | high         | high         | high    | medium  | medium           | medium | medium  | high             | high             | medium       | medium       | low                    | low                | low                |
| Chemical and solvent resistance                                  | high         | low          | medium  | medium  | high             | low    | high    | high             | high             | high         | high         | very<br>high           | high <sup>2)</sup> | high <sup>3)</sup> |

<sup>1)</sup> measured with Kühnast UV integrator

All former product sheets are no longer valid. OCTOBER 2014  $\cdot$  Version No. 9

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<sup>2)</sup> after addition of 5% hardener UVGS/HS

<sup>3)</sup> after addition of 5% hardener SVC/H

<sup>\*</sup> The above chart is a summary of the most essential properties of our UV ink types.