**SunCure® UV Foil Stampable Matt Dry Offset Coating 12HC391**

**Description:**
12HC391 is a general purpose, matt coating for application by either the dry offset or letterpress printing processes. 12HC391 cures to give a matt finish on a wide range of substrates and is foil stampable. Typical applications are sheet-fed, carton and narrow web labels. 12HC391 is formulated without the use of benzophenone, 4-methylbenzophenone and 4-hydroxybenzophenone.

<table>
<thead>
<tr>
<th>Product Property</th>
<th>Test Code</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual Gloss Assessment</td>
<td>GT</td>
<td>As Master Standard</td>
</tr>
<tr>
<td>Viscosity (Brookfield 25°C)</td>
<td>BD</td>
<td>25.0 – 40.0 poise</td>
</tr>
<tr>
<td>UV Cure (Comparative)</td>
<td>UV</td>
<td>As Master Standard</td>
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</tbody>
</table>

**Application Data:**
- **Print Process:** Dry Offset or Letterpress
- **Film Weight:** 2 to 5 g/m², depending on requirements
- **Wash-up Solvent:** OEM accredited UV Wash
- **Substrates:** Coated papers, boards and selected plastic substrates

12HC391 is not designed for use on primary packaging for food or other sensitive goods, nor for secondary packaging unless the packaged goods are contained in a primary packaging material that is a proven fully functional barrier to migration.

Printers and converters must assure themselves that any packaging produced with this product meets the regulatory requirements for its intended end use by testing printed product in full conditions of use, before commencing with commercial printing.

**Compatibilities:**
- **Inks:** This product is suitable for the in-line or off-line printing of UV offset and UV flexo inks. It can also be used with over other ink systems that are designed to be suitable for UV coating; however trials are recommended
- **Hot Foil Stamping (Blocking):** With care, check before proceeding
- **Glubility:** With care, check before proceeding
- **Imprintability:** With care, check before proceeding

**Notes:**
1. Test Methods available on request.
2. Tested on Incada Excel board. Values are for guidance only, the responsibility rests with the user in stabilising the conditions under which the slip is initially passed and subsequently monitored during printing runs. Slip and cure are affected by multiple factors beyond the control of Sun Chemical including press speed, UV exposure, film weight, substrate and types and formats of ink beneath.
3. The film weight is based on the averaging of historical information from application equipment.
4. While this product is designed for coated paper and board, it will also work with selected plastic and foils, but trials should be undertaken before use to ensure all properties are acceptable to the customer.

**Technical Information**

Although the information presented here is believed to be reliable, Sun Chemical Limited makes no representation or guarantee to its accuracy, completeness or reliability of the information. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. The product’s performance and its suitability for the customer’s purpose depend on the particular conditions of use and the material being printed. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical Limited be liable for damages of any nature arising out of the use or reliance upon this information. Sun Chemical Limited expressly disclaims that the use of any material referenced herein, either alone or in combination with other materials, shall be free of rightful claim of any third party including a claim of infringement. The observance of all legal regulations, final determination of suitability of this product in use and manner contemplated and patented are the responsibility of the user.