SunChemical
a member of the DIC group

ENERGY CURING PRODUCTS

Inks & Coatings

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.

Sales Specification:

Product Property[1]	Test Code	Typical Values
Visual Gloss Assessment	GT	As Master Standard
Viscosity (Brookfield 25°C)	BD	25.0 – 40.0 poise
UV Cure (Comparative)	UV	As Master Standard

Application Data:

Print Process	Dry Offset or Letterpress
Film Weight[3]	2 to 5 g/m^2, depending on requirements
Wash-up Solvent	OEM accredited UV Wash
Substrates[4]	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
Gluability	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.

Sun Chemical Europe

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Technical Information