



## Dragon Foils Limited

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# Technical Data Sheet for Sheet-fed Offset Cold Foils (OSC Series)

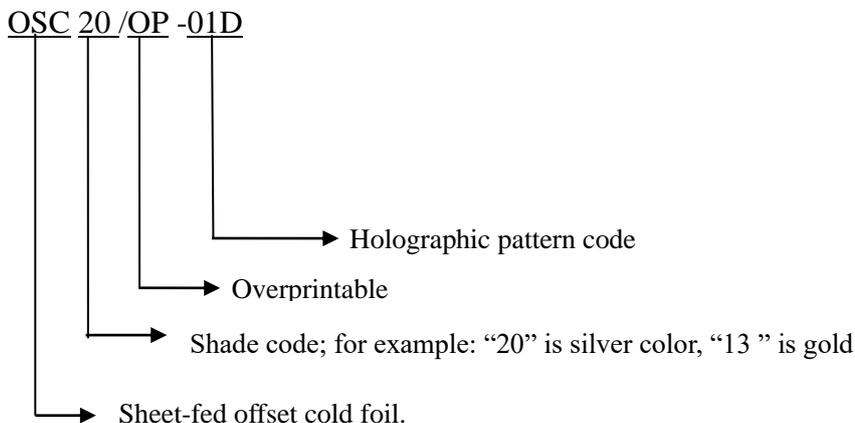
## 1. Main Characteristics

- Specially designed for sheet-fed offset cold foil stamping applications by conventional adhesive or UV adhesive.
- High speed with sharp foiling details and stable release.
- Good for stamping with fine definition and solid area.
- Suitable for fine line and halftone effects.
- High gloss with excellent overprintability.
- More than 40 holographic patterns available with good holographic effect.

## 2. Application

- Applicable on a wide range of coated paper/ folding carton and plastic materials (PE, PP, PET), or other substrates with non-absorbent surfaces, which should be based on appropriate offset press and adhesive.

## 3. Product Code



## 4. Printing machines

- Heidelberg, Manroland, Komori, and any other offset press with extra in-line cold foiling systems, including but not limited to Eagle System, Vinfoil, Compact Foiler, Foiltone, Yoco, Magnolia.

## 5. Adhesive

- Zeller-Gmelin UVALUX U0830 (for gold foil) and U0831/U0832 (for silver foil) for UV



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application, while Zeller-Gmelin O0830 for conventional application. Other adhesive for sheet-fed offset cold foil application is also applicable (previous tests recommended).

### 6. Remarks

- Adjust the adhesive lay-down to suit the substrates and production situation. Optimized adhesive application level: 1.5 – 4 g/m<sup>2</sup> dependent on the substrates.
- UV power adjustment should be based on specific machine, substrate and production situation.
- Cleaning the blanket after some quantity of foiling sheets is needed, which should be based on the specific working conditions.
- Regular foiling speed is from 7,000 to 10,000 sheets per hour.
- Use the product within one year after shipped on board date.
- Keep the product in its original package and away from high temperature, high humidity and sunlight exposure.
- Highest temperature for storage is 35°C and humidity 60%.
- Highest temperature for transport is 50°C.
- Jumbo rolls should be suspended horizontally and avoid direct contact with the ground or other items.

The above technical information is the best experience we have so far, necessary adjustments are needed according to an actual run. Please make enough necessary tests on different machines, substrates, adhesives, patterns before large volume production run.