

# IRIX - Digital Stone

## Technical Data Sheet

TDS EN\_IRIX\_102019



### THE NANO-FILLED CERAMIC MATERIAL

IRIX is a nano-ceramic photosensitive material for DWS' SLA systems. Thanks to IRIX, the revolutionary "digital stone", designers will have the possibility to develop their creativity without any shape limit or colour restriction. The creation of the stone is performed using nanotechnologies applied to the additive process, obtaining a material having the main features of a natural stone. It is possible to manufacture directly the object from the STL file.

### THE IRIX SERIES

The IRIX series includes all the materials suitable for the direct printing of jewellery models and fashion accessories. IRIX was developed exclusively for DWS jewellery range 3D printers.

### HINTS FOR DESIGN

IRIX allows maximum versatility for the manufacture of the finished product and it is available in the following colours:

- White
- Ivory
- Coral
- Turquoise
- Black

### FEATURES

- Direct Printing
- High Resolution
- High Accuracy
- Wide Colours Range

### TECHNICAL CHARACTERISTICS OF THE LIQUID MATERIAL

|                              |                                 |             |            |             |             |
|------------------------------|---------------------------------|-------------|------------|-------------|-------------|
| Environmental Values for Use | 22°C - 27°C - max, RH 40% - 60% |             |            |             |             |
| Appearance / Colour          | Liquid / White                  | Ivory       | Coral      | Turquoise   | Black       |
| Viscosity (mPa•s at 25°C)    | 1550 ~2350                      | 1300 ~ 1900 | 1400 ~2100 | 1400 ~ 1200 | 1100 ~ 1600 |
| Density (g/cm3)              | 1,4                             |             |            |             |             |
| Application / Use            | Direct printing, Digital Stone  |             |            |             |             |

Technical specification subject to change without notice.

### DWS srl

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