

## Ultimate 25 holographic recording material

<b>Product description</b>	Ultimate 25nm is a very high speed holographic silver halide photo emulsion which has been designed for transmission mastering using pulsed lasers. The material can be sensitized almost any laser line to produce monochromatic transmission holograms, while using a strong safe light in the laboratory, for a comfortable work. This material is sensitized as standard for Ruby 694nm and YAG532 pulsed lasers. Very bright, noise free transmission holograms have already been produced on our pulsed cameras.
<b>Applications</b>	H1 transmission holography, with pulsed YAG or Ruby lasers
<b>Color Sensitivity</b>	any visible wavelength, depending the dye used
<b>Grain size</b>	25 nm
<b>Resolution</b>	>5000lines/mm
<b>Recommended Exposure Energy</b>	Min: 10 $\mu$ J/cm <sup>2</sup> at 532nm - 20 $\mu$ J/cm <sup>2</sup> at 694nm Typ: 15 $\mu$ J/cm <sup>2</sup> at 532nm - 30 $\mu$ J/cm <sup>2</sup> at 694nm Tested with ratio Ref/Objet: 10/1 to 20/1.
<b>Diffraction efficiency</b>	not measured, but our transmission H1 masters look brighter and much less diffuse than the same H1 on former Agfa 8E56/8E75 materials.
<b>Spectral sensitivity</b>	specialized dyes pulsed dyes for green region 510-540nm (YAG) and dark red 670-700nm (Rubis)
<b>Base</b>	glass plates (3mm) - triacetate 190 $\mu$ m
<b>Laser Suitability:</b> (we have tested our material with these lasers)	Ruby 694nm Yag 532nm or Ylf 526nm
<b>Safe Light</b>	Depending the dye you use. Green LED for red sensitive materials - High power Red LED for red sensitive materials
<b>Recommended Processing Chemicals</b>	Developer: PULSED Ultimate developer (20°C -68°F- 2 minutes for the green sensitive material - 4/5 minutes for the Ruby sensitive material) wash Bleach : Ultimate safe (20°C until film clears) o Final rince with some drops of wetting agent, then vertical drying
<b>handling recommendations</b>	Use gloves when handling film to avoid finger prints. Use protection gloves for glass plates, they are with cut edges
<b>Shelf Life</b>	More than 2 years at 4°C
<b>Storage</b>	in a fridge, in a closed box at 4°C
<b>Use Recommendation</b>	Transfer the plates /films you plan to use for the day, in a box and place it in the recording room at least one hour before shooting, for temperature stabilisation