

Ultimate 25 holographic recording material

Product description	Ultimate 25nm is a very high speed holographic silver halide photo emulsion which has been designed for transmission mastering using pulsed lasers. The material is sensitized as standard for Ruby 694nm and YAG 526-532nm pulsed lasers (please contact us for other wavelengths). Very bright, noise free transmission master holograms can be achieved on this material.
Applications	H1 transmission holography, with pulsed YAG or Ruby lasers
Color Sensitivity	Green 510-540nm (YAG) or Deep Red 660-700nm as a standard
Grain size	25 nm
Resolution	>5000lines/mm
Recommended Exposure Energy	25 μ J/cm ² (with TEA sensitization) Tested with ratio Ref/Objet: 10/1 to 20/1.
Diffraction efficiency	Our transmission H1 masters look brighter and much less diffuse than the same H1 recorded on former Agfa 8E56/8E75 materials.
Base	Glass plates (3mm) ou triacetate 190 μ m
Laser Suitability: (we use currently this material with these lasers)	Yag 532nm or Ylf 526nm Ruby 694nm
Safe Light	High power Red LED for the Yag material Bright Green LED for the Ruby material
Recommended Processing	<i>Before recording: Pre-bath: 6% TEA soak during 2 minutes before recording. Wash and dry</i> <i>Exposure:</i> 25 μ J/cm ² on reference beam, about 2 μ J/cm ² on object beam <i>Processing:</i> PULSED Ultimate developer at 20°C -68°F- 3 minutes to achieve a density of 3 wash Ultimate safe Bleach : until the film is clear Final rinse with some drops of wetting agent, then vertical drying
Handling recommendations	Use gloves when handling film to avoid finger prints. Use protection gloves for glass plates, they are with cut edges
Shelf Life	More than 5 years at 4°C. Several months at room temperature
Storage	In a fridge, in a closed box at 4°C
Use Recommendation	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