

# TECHNICAL INFORMATION

## ORWO GF 40 Processing Instruction ORWO holographic film GF 40

### Chromate bath:

GF40-sheets should be agitated in 0,8% ammonium dichromate solution for 5 min at room temperature.  
Subsequently, the sheets should be tilted to run off the dichromate solution slowly, to prevent spotting.  
Carefully remove any remaining drops from the back of the film.  
Hang up the sheets vertically to dry in a dust-free airflow.

### Maturing:

Wait for 24 hours before proceeding further with the material.

### Exposure:

Like the exposure regime of the user.

### Hardening:

Any thermal hardening required should be at a minimum temperature of 100°C, but it should stay below a temperature level where base stability failure could occur.

### Development:

Sheets should be agitated in an isopropanol-water-mixture at 30 to 40 °C.  
Dilute isopropanol with water as necessary, commencing 50% water / 50% isopropanol, and continue with a fresh bath of 75% isopropanol content, followed by one at 100% isopropanol.

### Drying:

The material can be dried by heat treatment. 80°C is recommended, 10 min airflow.



### Baking:

If thermal treatment is required it should be at a minimum temperature of 100°C, but it should stay below a temperature level where base stability failure could occur.

### Comment:

Please note, each individual step requires its own precise adjustment as an integral part of the whole exposure and process procedure.

