



Reference test block 2

for penetrant testing according to EN 571-1

Order no. G22

Use

According to the standard EN ISO 3452-2, the reference test block 2 is used for routine checking of coloured and fluorescent penetrants in test lines and opened containers.

Description

To control the washability of penetrants there are 4 surfaces with different roughness grades on the one side ($R_a=2,5 \mu\text{m}$, $R_a=5 \mu\text{m}$, $R_a=10 \mu\text{m}$, $R_a=15 \mu\text{m}$).

On the other side of the reference test block there are 5 synthesized faults which can be used to determine the indication grade of a penetrant system.

The identification of the supplier as well as the serial number are on the backside of the reference test block, a clear reference to the delivered test certificate.

The values mentioned in the test certificate are measured under UV-light, therefore it is possible to receive different values if any measuring is done after red/white penetrant testing.

Application

To check the washability resp. the indication grade of a penetrant system carry out the usual procedure of penetrant testing according to EN 571-1. In case of comparison testing we recommend optical documentation.

Recalibration

We advise a yearly recalibration of the reference test block by the manufacturer/supplier because the reference test block may lose its quality after some time in use.

Further remarks

Reference test blocks must not be stored in solvents. We advise against the regular use of ultrasonic cleaning equipment.

For cleaning we recommend the use of MR[®] 70 Developer: Spray MR[®] 70 on the reference test block and allow time for any penetrant to pass from the faults to the surface. Then clean the reference test block with water. Repeat the procedure until no penetrant can be seen on the surface.

