

# Reference block type 1

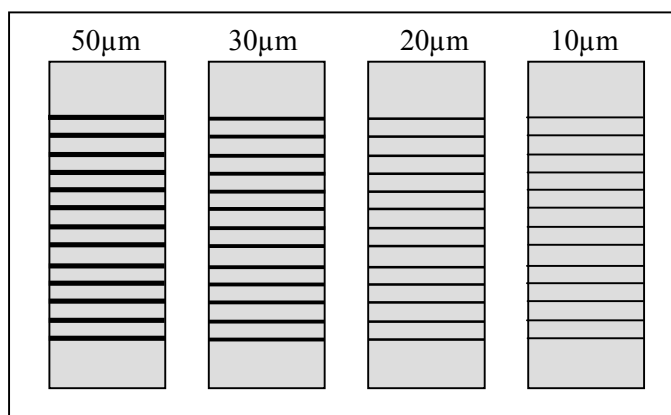
**Art. No. 127.400.001**

The type 1 reference block consists of a set of 4 nickel-chrome plated panels with 10, 20, 30 and 50  $\mu\text{m}$  thickness of plating respectively.

The 10, 20 and 30  $\mu\text{m}$  panels are used for determination of the sensitivity of fluorescent penetrant systems.

The sensitivity of colour contrast penetrant systems is determined by using the 30 and 50  $\mu\text{m}$  panels.

The type 1 panels are rectangular in shape with typical dimensions of 35 x 100 x 2 mm.



Transverse cracks are made in each panel by stretching the panels in the longitudinal direction. The width to depth ratio of each crack should be approximately 1:20.

A declaration stating conformance to EN ISO 3452-3 and in line with EN 10204, Type 3.1 B shall accompany each test block.

## Level of Sensitivity

### - Fluorescent penetrants

Level of sensitivity	sensitivity	Used panel
1	normal	30 $\mu\text{m}$
2	High sensitive	20 $\mu\text{m}$
3	Ultra high sensitive	10 $\mu\text{m}$

### - Dye penetrants

Level of sensitivity	sensitivity	Used panel
1	normal	50 $\mu\text{m}$
2	High sensitive	30 $\mu\text{m}$

Heidgraben, October 2013  
Technical errors and changes excepted!