IMAGING PLATES

FOR COMPUTED RADIOGRAPHY

The DÜRR NDT Imaging Plate product range has been carefully designed to fit the specific needs of the non-destructive testing industry with the different types covering the widest range of possible radiographic testing applications.

DÜRR NDT Imaging Plates with active side (white/blue) down.

Custom shapes and formats

We are able to provide imaging plates from 2 - 35 cm in width and virtually unlimited length. Custom shapes are also possible, e.g. for specific workpieces or maintenance.

Lifespan

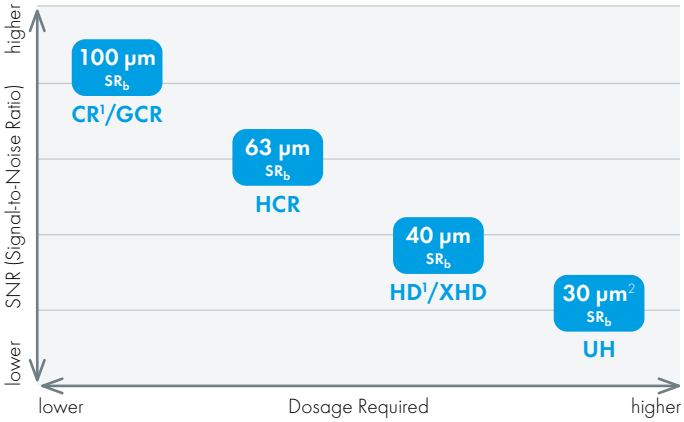
Imaging plates which are properly handled and maintained can typically be used up to 1000 times or more depending on the application.

Selection of a suitable imaging plate

For example, to test welds according to ISO 17636-2 Class B with a penetrated wall thickness of 2 mm, a basic spatial resolution (SR_b) of 50 µm or better is required. Therefore, the use of HD/XHD imaging plates (which are capable of a SR_b of 40 µm) is recommended as they easily fulfill this requirement.

For corrosion under insulation (CUI) evaluation, the challenge is the lower incoming radiation dose on the imaging plate due to the large penetrated wall thickness (tangential). Therefore, a higher sensitivity imaging plate should be used to allow short exposure times. This high sensitivity can be provided by the CR/GCR imaging plates which still gives a 100 µm SR_b to meet the requirements of EN 16407-1.

Characteristics



Type	Achievable SR_b (duplex IQI pair)	Relative Dosage Required	Approximate Film Class Equivalent[3]
UH (Blue)	30 µm (D15+)[2]	11.0	C2 D3 M
XHD (Blue)	40 µm (D14)	8.5	C3 D4 MX125
HD[1] (Blue)	40 µm (D14)	4.5	C3 D4 MX125
HCR (White)	63 µm (D12)	2.5	C4 D5 T200
CR[1]**/GCR** (White)	100 µm (D10)	1.0	C5 D7 AA400

[1] Not available in Canada, Japan, South Korea, USA
[2] BAM certified 30 µm SR_b in combination with HD-CR 35 NDT (BAM/ZBF/003/15)
[3] ISO 11699-1, Agfa, Kodak

Most popular formats

6 x 24 cm	4.5 x 10"
6 x 48 cm	4.5 x 17"
10 x 24 cm	5 x 7"
10 x 48 cm	8 x 10"
18 x 24 cm	
24 x 30 cm	
30 x 40 cm	
35 x 43 cm	

All types available in stock

WPRO100038 RA0002 EN Technical data subject to change

Digital Intelligence – Ready to Change.

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DÜRR NDT