

FOMADUX NDT ROLLFILM

TECHNICAL RADIOGRAPHIC FILMS

Characteristics of the product

FOMADUX NDT ROLLFILM is a special confectioning form of technical radiographic film designed for non destructive material testing with use of X- or gamma radiation. The special form of the packaging ensures the film's resistance to light, humidity and greasy impurities.

The following types of technical radiographic film are supplied as FOMADUX NDT ROLLFILM:

INDUX R4 with lead screens

INDUX R5 with lead screens

INDUX R7 with lead screens

Advantages of the rollfilm

The full length of the weld can be radiographed onto a single piece of film, i.e. we avoid using several film sheets for one weld. Required film length is determined according to the weld length.

m We avoid using cassettes.

m Lightproof package is resistant to humidity and greasy impurities.

m By single-usage of lead screens we avoid faults caused by their repeated usage.

m Perfect contact between the film, lead screens and checked object ensures optimal quality of the image.

m The "edge to edge" packing system allows optimal use of the film surface where there is not sufficient space for placing the film.

Usage

The advantage of the rollfilm is, in particular, the increased efficiency of radiography for cases involving repeated photographs, long welds, e.g. when radiographing welds of pipelines, pressure vessels or large parts in the aerospace industry, as the length can be chosen so that all the radiogram can be exposed to a single piece of film. Contact of the film with a wet or impure object has no effect on the quality of the final radiograph.

The product has been produced and marketed in conformity with a quality system according to the international standard EN ISO 9001:2000.

Confectioning

FOMADUX NDT ROLLFILM is supplied in the following confectioning forms:

Film dimensions: width: 70 and 100 mm
length: up to 90 m

Packing:

With intensifying lead screens

The film is placed between two lead screens (thickness 0,025 mm) of the same dimensions; the screens are in perfect contact with the film; the film is packed in a light- and moisture-proof package – using the "edge to edge" system. Packed film is wound onto a cardboard core and inserted between two cardboard shooks in a transport box from which required length can be simply wound out.

There is a print in the package axis on the side with folded edges; the print helps determine the film centre and the film length.

How to remove the film from the package before processing:

In a dark room hold the non-printed part of the package together with the lead screen and film with one hand, and strip off the printed part of the package and the second lead screens with the other hand. Thus the film will be easily and quickly removed from the package.

Processing

Processing baths

The same processing baths as for other technical radiographic INDUX films can be used for processing.

Processing technology

Long films must be processed carefully. Generally it is possible to split the film after marking it and then to process it in the ordinary way or to fully exploit the advantages of the ROLLFILM package and to process it in its full length.

- a) When machine processing it is necessary to ensure precise leading (by a suitable jig) of the film into the axis of the developing machine.
- b) In manual processing of ROLLFILM, prior to processing it is necessary to wind the film into a special wire coil that facilitates contact of the film with baths. It is also possible to split the film and to process it in parts in ordinary frames used for cell processing, as the case may be.