SCANDIA
MATERIALOGRAPHIE

SCANDIFORM

USER INFORMATION

www.scan-dia.com

English Version

INTENDED USE

SCANDIFORM is a silicone rubber mould.

SCANDIFORM was specifically developed for embedding materialographic specimen into self-curing resins.

PROPERTIES

SCANDIFORM is very flexible, dimensionally stable, has ideal thermic properties and will ensure a very smooth surface of the cured specimen.

Specimen can be released from SCANDIFORM without leaving residues, so that no cleaning will be necessary. There is no need for releasing agents.

Using polyester resins, SCANDIFORM can be used for several thousand embeddings.

Using acrylic resins, e.g. SCANDIQUICK, the service life is reduced to 100 – 150 embeddings.

Using epoxy resins, e.g. SCANDIPLEX, 20 – 30 embeddings are possible.

RECOMMENDATION

The service life of SCANDIFORM when using epoxy resins (SCANDIPLEX) can be doubled, when the embedding compound is poured into the mould at the end of the pot life (appr. 20 min)!

NOTES

When using different types of embedding resin, SCAN-DIA recommends using one set of SCANDIFORMS for each type of resin. SCANDIFORMS that have been used with epoxy resins should never be used for other resins afterwards.

SCAN-DIA offers a wide range of SCANDIFORMS, suitable for all kinds of specimen. When selecting your SCANDIFORM, ensure that there is a 2 mm gap between the sample and the inside of the mould.

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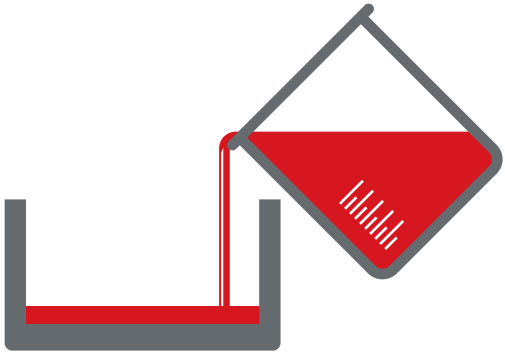
Revision: January 2013
Technical changes possible

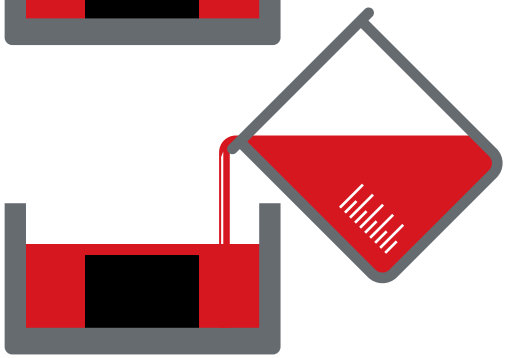
HANDLING

Select a mould suitable for your sample.

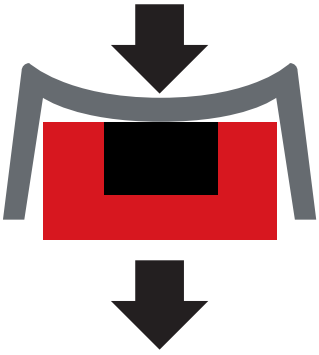


Pour enough resin into the mould to form a 2 – 3 mm thick layer at the bottom.

Using a pair of pliers, insert the cleaned and degreased specimen into the mould, slightly pressing it down into the bottom layer. Ensure that no air bubbles are trapped beneath the specimen.



Now fill the mould completely with resin leaving a 1 mm gap at the top. Wait until resin has cured.



When the resin has cured completely, remove the specimen from the mould.

RECOMMENDATION

SCAN-DIA recommends to fill the moulds with 2 – 3 layers of liquid resin when embedding large specimen (>50 mm diameter). Otherwise, caused by the chemical reaction, the temperature will rise too high. Especially polyester resins will show this behaviour.

The statements made here are based on our present up-to-date knowledge.

If, despite having followed the above instructions, the results are not to your complete satisfaction, please do not hesitate to contact us, as SCAN-DIA is at your disposal for any further assistance or information you may require.

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THESE PRODUCTS MIGHT BE INTERESTING FOR YOU

EMBEDDING SET

useful accessoires for the cold mounting procedure

SCANDIQUICK

cold hardening acryl resin

SCANDICLIP

plastic CLIP for fixing wires, pins, etc.

SCANDIPLEX

cold hardening epoxy resin

SCANDIPLAST

cold hardening polyester resin

AEQUIDUR

Hardness Equalizer

Our entire product range can be found at

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