



# SCANDIQUICK

## USER INFORMATION

## INTENDED USE

Embedding specimen for materialographic polishing.

This leaflet describes the product regarding its properties and processing requirements.

## SAFETY INSTRUCTIONS

Carefully follow the requirements stated in the Material Safety Data Sheet.

## MATERIAL

SCANDIQUICK is a cold setting acrylic resin. It consists of two components:

- Powder resin SCANDIQUICK A
- Liquid hardener SCANDIQUICK B

The polymerised block has a light orange, transparent colour.

## PROPERTIES

SCANDIQUICK can be poured for 3 minutes after mixing the components. At room temperature (21° C) the material will cure within 6 - 8 min.

Using SCANDIQUICK implies simple handling, as no weighing is needed. Curing does not require pressure or heat. Cured SCANDIQUICK is reasonably hard and abrasion resistant. SCANDIQUICK can be ground and polished easily. Respecting the material properties SCANDIQUICK will give excellent bonding to the specimen.

SCANDIQUICK is resistant to acids and solvents.

In order to achieve especially hard surfaces and improved edge definition, the hardness adjustor AEQUIDUR can be added. AEQUIDUR is available in three levels of hardness: S – soft, M – middle and H – hard. Using AEQUIDUR, the hardness can be adjusted in the range between aluminium and carbide metal.

## PROCESSING

Good cleaning and degreasing, preferably with acetone, is necessary to ensure effective bonding.

Silicone rubber moulds are recommended for embedding. SCAN-DIA's

SCANDIFORM moulds are particularly well suited for this purpose. Ensure that there is a 2 mm gap between the sample and the inside of the mould.

## MIXING

### NOTE

Before using the liquid component SCANDIQUICK B, remove the screw cap used during transport and replace it with the stepped cap. Insert spout into stepped cap.

### MIXING BY VOLUME

2 parts SCANDIQUICK A (powder) and 1 part SCANDIQUICK B (liquid).

Metering of both components is made easy by using the spoons provided with each package of SCANDIQUICK. Use the 16 ml spoon for the powder SCANDIQUICK A and the 8 ml spoon for the liquid SCANDIQUICK B.

### MIXING BY WEIGHT

100 weight-% SCANDIQUICK A (powder) and 60 weight-% SCANDIQUICK B (liquid).

SCAN-DIA recommends using the SCAN-DIA MIXING CUP (part-no. 91192) for dosing and mixing.

### PROCEDURE

Pour first the powder then the hardener into the mixing cup. Stir with glass stirrer, until the powder has been wetted evenly and is well mixed with the liquid (appr. 30 sec).

Pour enough SCANDIQUICK into the mould to form a 2 – 3 mm thick layer at the bottom. Using a pair of pliers, insert the 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 SCANDIQUICK, leaving a 1 mm gap at the top.

Caused by the chemical reaction, the temperature of the sample can reach 90 - 110° C while curing, depending on the size of the sample.

## NOTE

Using SCANDIQUICK, the life-time of silicone rubber SCANDIFORM moulds is limited to appr. 100 embeddings.

To ensure maximum life-time, do not use SCANDIFORM moulds with changing embedding materials. Avoid using SCANDIFORM moulds that have been used with other embedding materials.

## GENERAL INFORMATION

SCANDIQUICK (resin and hardener) should be stored in a cool, dry environment. Shelf life is min. 1 year if stored properly (20° C and well closed containers).

## NOTE ON CLEANING THE TOOL (CUPS, STIRRERS, ETC.)

Clean all tools immediately after use by wiping them down with paper towels. The product can not be chemically removed once cured.

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.

## THESE PRODUCTS MIGHT BE INTERESTING FOR YOU

### EMBEDDING SET

useful accessoires for the cold mounting procedure



### AEQUIDUR

Hardness Equalizer



### SCANDIFORM

Silicon rubber embedding mould - rectangular



### SCANDIPLAST

cold hardening polyester resin



### SCANDIFORM

Silicon rubber embedding mould - circular



### SCANDICLIP

plastic CLIP for fixing wires, pins, etc.



Our entire product range can be found at  
[www.scan-dia.com](http://www.scan-dia.com)

