

Leit C Plast

AGG3302

Leit-C Plast is a special adhesive material for the preparation of large specimens for scanning electron microscopy (SEM).

Characteristics

- High electrical conductivity
- Permanent plasticity
- Unaffected by high vacuum conditions
- Sufficient adhesive strength
- Gives no peaks in energy dispersive X-ray microanalysis

Instructions for use

Leit-C Plast is rolled out between the two plastic discs. A small amount of the material is separated with a spatula, applied to a stub and, if necessary, further distributed with a glass rod.

The specimen is lightly pressed into the adhesive material on the stub. Specimens which are non-conductive may be coated immediately afterwards before examining in SEM or for X-ray microanalysis.

For reorientation or preservation the specimens may again be taken off the adhesive. Small traces of Leit-C Plast are easily removed by surgical spirit etc.

Due to the permanent plasticity of Leit-C Plast large specimens may move when brought into an inclined position. Therefore, if photographs are to be taken at high magnifications, it is advisable to fix the specimen directly on the stub by placing a ring of Leit-C Plast around it.

A reliable method in the preparation of heavy specimens is the combination of Tempfix and Leit-C Plast. The specimen is fixed on the stub with the solvent-free melting adhesive Tempfix.

Afterwards an electrically conductive bridge between specimen and stub is made by Leit-C Plast. It is not necessary to wait for drying since both adhesives are resistant to high vacuum.

Further Applications

On large specimens e.g. polished sections of bulk specimens, thin strands of Leit-C Plast may serve as conductors.

Rolled out in a pointed form they may be used for marking those areas of a specimen which are of special interest.