

Mould Release Agent

QZ 66

NEW! Solvent-Free

Applications The pre-treatment of moulds and models in order to ensure easy demoulding of cold or hot cured .Araldite epoxy resin castings, mouldings or laminates.

Method of Application Mould Release Agent QZ 66 :
brush, rag , spray gun or vaporizer

Properties **Solvent-free mould release agent**
Improved working hygiene, little volatile content
Optimum release effects
Enables precise reproduction of surface detail, contours
Allows smooth demoulding at mould temperatures up to 250°C
Little amount needed for good release
Fast drying times
Low mould build-up
Does not corrode .Araldite epoxy or metal moulds
Multiple demould

Handling Precautions The usual fire precautions should be taken whenever it is stored or handled

Product Data
(guideline values)**Mould Release**
Agent QZ 66

A low-viscosity silicone oil

Viscosity, mPa s	~ 17
Specific gravity, g/cm ³	~ 0.95
Flash point, °C	99
Refraction index at 20°C	1.1396 – 1.412
Appearance	colourless liquid, clear
Supplied form	liquid, in cans
Storage in sealed can at 6 - 28 °C	see expire date on original container
Shelf-life in sealed can	12 months - expire date on label
Hazardous decomposition	consult Material Safety Data Sheet
Disposal	regular procedures approved by national and/or local authorities
Industrial hygiene	consult "Safety Data Sheet" of product

Processing**General**

Mould Release Agent QZ 66 allows trouble-free demoulding of epoxy resin castings, mouldings and laminates. A brush, rag, spray gun or vaporizer is used to apply the thinnest possible layer to the surface of moulds or models.

A single application of Mould Release Agent QZ 66 is enough to allow ready demoulding of several cold or hot curing Araldite epoxy castings. Nevertheless, we recommend to apply a fresh layer of mould release after each demoulding operation.

Detailed information on the applications and processing of Araldite casting and impregnating resin systems as well as Araldite epoxy resin systems for tooling is given in the Instruction Sheets covering the various products.

Treatment of non-porous mould materials

Mould Release Agent QZ 66 should be applied as a very thin layer to the preheated surfaces of steel or aluminum alloy moulds.

Thin layers offer several advantages:

- precise reproduction of surface details
- glossy casting surfaces when polished moulds are used
- better results at lower release agent cost
- non corrosion of mould or only very gradual soiling of moulds due to build-up of release agent residues

Mould Release Agent QZ 66 gives satisfactory results at mould temperatures ranging up to 250°C.

Handling/Safety Precautions

Direct skin contact with Mould Release Agent QZ 66 should be avoided. Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding Safety Data Sheets and the brochure "Hygienic precautions for handling plastics products" (Publ. No. 24264/e).

Handling precautions

Safety precautions at workplace:

protective clothing	:	yes
gloves	:	essential
arm protectors	:	recommended when skin contact likely
goggles/safety glasses	:	yes
respirator/dust mask	:	recommended
Skin protection		
before starting work	:	Apply barrier cream to exposed skin
after washing	:	Apply barrier or nourishing cream
Cleansing of contaminated skin	:	Dab off with absorbent paper, wash with warm water and alkali-free soap, then dry with disposable towels. Do not use solvents
Clean shop requirements	:	Cover workbenches, etc. with light coloured paper Use disposable breakers, etc.
Disposal of spillage	:	Soak up with sawdust or cotton waste and deposit in plastic-lined bin
Ventilation:		
of workshop	:	Renew air 3 to 5 times an hour
of workplace	:	Exhaust fans. Operatives should avoid inhaling vapours.

First Aid

Contamination of the **eyes** by resin, hardener, casting mix or release agent should be treated immediately by flushing with clean, running water for 10 to 15 minutes. A doctor should then be consulted.

Material smeared or splashed on the **skin** should be dabbed off, and the contaminated area then washed and treated with a cleansing cream (see above). A doctor should be consulted in the event of severe irritation or burns. Contaminated clothing should be changed immediately.

Anyone taken ill after **inhaling** vapours should be moved out of doors immediately. In all cases of doubt call for medical assistance.

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