

Adhesives and Tooling

Tooling Systeme

Mould Release Agents

Mould release/ sealer QZ 5101

Film forming Poly-Vinyl-Alcohol (P.V.A.) release agent which can also be used as a sealer for porous surfaces. Produces glossy mouldings.

Mould release QV 5110

Cloth applied wax based release agent for general applications. Polishable to lustre.

Mould release QZ 5111

A liquid suspension of waxes in solvent for the release of general and intricate mould surfaces. Polishable to lustre.

Mould release QZ 13

An easily applied liquid silicone based, solvent and release agent. For use at ambient and elevated temperatures. Blurs fine surface detail and requires complete removal if mouldings are to be painted.

Typical product data and processing

Mould release QZ 5101

Property	Unit	Value
S.G. at 25°C	g/cm ³	0.9
Flash point (DIN 51755)	°C	17
Supplied form	-	blue liquid
Storage months	5 - 25°C	12

Mould release/sealer QZ 5101 is applied by brush or spray gun in one or more layers. The application of a non-silicone wax may be required for QZ 5101 to coat evenly, without cissing.

Typical product data and processing

Mould release QV 5110

Property	Unit	Value
S.G. at 25°C	g/cm ³	0.8
Flash point (DIN 51755)	°C	>24
Supplied form	-	white paste
Storage months	5 - 25°C	12

Release agent QV 5110 is applied by brush or cloth to the mould surfaces, allowed to dry for 30 min, then polished with a soft cloth.

Typical product data and processing

Mould release QZ 5111

Property	Unit	Value
S.G. at 25°C	g/cm ³	0.7
Flash point (DIN 51755)	°C	<21
Supplied form	-	white liquid
Storage months	5 - 25°C	12

Two or three layers of QZ 5111 are applied by brush or spray gun. Subsequent evaporation of the solvent, approximately 15 mins, results in a hard, polished layer.

QZ 5111 should always be shaken or stirred before use.

Typical product data and processing

Mould release QZ 13

Property	Unit	Value
S.G. at 25°C	g/cm ³	0.86
Flash point (DIN 51755)	°C	15
Supplied form	-	colourless liquid
Storage months	5 - 25°C	12

Apply QZ 13 by brush or spray in 2 - 3 light applications. QZ 13 contains a flammable solvent. Safety precautions should be taken during use and storage.

Handling precautions

Caution

Vantico products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in Vantico publication No. 24264/3/e Hygienic precautions for handling plastics products of Vantico and in the Vantico Material Safety Data sheets for the individual products. These publications are available on request and should be referred to for fuller information.

Vantico Limited Adhesives and Tooling

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