



## TECHNICAL DATASHEET

### MouldTech #3 Medium Slip

#### General Description

MouldTech #3 mould release agent is specially designed for the production of fibre glass and carbon fibre products. MouldTech #3 is a semi-permanent solvent-based type release agent suitable for polyester resin, vinyl ester resin and epoxy resin. It forms a thin film layer after curing to reduce mold wear and achieve a high gloss finish.

#### Product Characteristics

- Multiple releases between applications
- Easy to apply.
- Does not build up on the mould surface.
- Minimal transfer to moulded part.
- Provides excellent gloss.

#### Properties

- Working temperature, 300°C.
- Dry time between coats at 20°C, 10 - 15 minutes.
- Final coat dry time at 20°C, 30 minutes.

#### Mould Preparation

1. Mould surfaces should be thoroughly cleaned to remove all traces of wax, release agents, sealers and buffing compounds.
2. Do a final cleaning of mould surface with MouldTech Mould Cleaner.
3. Seal mould with MouldTech Mould Sealer.

#### Application

1. Saturate a clean cotton cloth (not dripping) and wipe on a smooth continuous film. Apply no more than a few square feet at a time.
2. After 10-20 seconds wipe the surface with a second clean dry cotton cloth. Use a circular motion until film is left dry and clear.
3. Repeat above procedures until entire mould surface has been covered.
4. Apply 3-5 coats, allowing 15 minutes between each complete coat.
5. Allow 30 minutes for full cure after final coat. Proceed with production.

**Note:** If the release agent is left on too long before wiping off, you may notice some smearing or streaking. To remove the smear or streak, wipe the affected area with the recommended MouldTech release agent, and then simply remove the excess sooner than you had before.

#### Test To Ensure Proper Application.

Attach a small strip of masking tape to different areas of the mould. There should be very little resistance when removing the tape if proper release is applied, compared to an untreated mould (tape should adhere to untreated mould).

#### Pack Sizes

##### MouldTech #3 Release Agent sizes

950ml/Quart

3.78L/Gallon

## Storage

1. Store in temperatures 10-45°C, away from fire and sun exposure.
2. Keep container sealed to prevent contamination and evaporation.
3. Shelf life of 12 months in sealed container.

## Health & Safety

Adhesive Technologies NZ Ltd provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, storage, use and disposal information.

Direct skin contact should be avoided. All amines have a moderate sensitising potential and should be considered as mild skin corrosives. MouldTech #3 mould release agent should not be ingested; in an unlikely event MouldTech #3 mould release agent is ingested, see your nearest physician immediately.

- Use with good ventilation and adequate safety equipment including gloves.
- If skin contact occurs, wash with lanolin-based hand-cleaner and water.
- If eye contact occurs, immediately wash for 15 minutes with running water.

**Note:** Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages