



CHALLENGE 90

A RELEASE DESIGNED FOR POLYURETHANE MOLDING

BJB is always seeking better products that are safer to use and will meet environmental standards. Challenge 90 was created with these ideas in mind incorporating the goal of having little or no transfer of release to molded parts.

Challenge 90 is primarily a release for flexible and rigid polyurethane elastomers and foams. It can be used for other types of systems as well. However, it is advisable to test it prior to its use with all systems.

Challenge 90 dries at room temperature, forming a monomolecular film, which adheres to mold surfaces by absorption and has little or no affinity for the resin. This release does not contain any silicones or waxes and does not interfere with painting, bonding or plating operations with most polyurethane materials.

APPLICATION INSTRUCTIONS:

Challenge 90 may be applied to hot or cold surfaces by spraying, wiping or brushing. Be sure to shake release containers prior to use.

New mold surfaces should be cleaned thoroughly and several release coats should be applied and buffed in before a final uniform coat is applied. Release coats should be dry prior to molding and drying speed can be gained by using forced air or infra red heat.

Once a metal or hard plastic mold has been used several times, and there has been a build-up of the release on the mold, it may not be necessary to apply a release coat between each cycle. Porous mold surfaces generally do require one or two release coats for every mold cycle.

Mold cleaning may be required when residues develop.

Clean with a solution of detergent and water and dry thoroughly. If more cutting action is required, use isopropyl alcohol alone or mixed into the detergent solution.

STORAGE AND HANDLING:

Store at 65°-90°F (18°-32°C) in a dry place. Unopened containers will have a shelf life of 12 months from date of shipment when properly stored at room temperature. After use, reseal container and store in approved flammable storage cabinet or area. Do not store in a refrigerator or cold room. Prior to using, blend thoroughly. Material should be above 65°F (18°C) when mixing.

SAFETY PRECAUTIONS:

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

IF CONTACT OCCURS:

Skin: Immediately wash with soap and water. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Remove contaminated clothing and launder before reuse. Seek qualified medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person. Contact a physician immediately.

Refer to the Material Safety Data Sheet before using this product.