

Frekote®

Sacrificial Mold Releases

YOUR APPLICATION

SUBSTRATE

General Purpose

Phenolic

Silicone

Epoxies and Thermoset Resins

PRODUCT TYPE

Water Based

Solvent Based

APPLICATION REQUIREMENT

General Purpose

FREKOTE® BRAND SOLUTION

EXITT-EM™

1450™

S-50™

1711™ or 1711-I™

Description:	Release Agent	Release Agent	Release Agent	Release Agent
Appearance:	White emulsion	Light Amber	Yellowish liquid	Clear liquid
Application Temperature:	140°F to 355°F (60°C to 180°C)	140°F to 355°F (60°C to 180°C)	220°F to 390°F (104°C to 200°C)	68°F to 140°F (20°C to 60°C)
Cure Time Between Coats at 70°F (21°C):	Liquid Evaporation (up to 10 min. at RT)	Liquid Evaporation (up to 10 min. at RT)	Liquid Evaporation (up to 10 min. at RT)	Solvent Evaporation (up to 60 seconds)
Final Cure Time at 70°F (21°C):	Liquid Evaporation (up to 10 min. at RT)	Liquid Evaporation (up to 10 min. at RT)	Liquid Evaporation (up to 10 min. at RT)	Solvent Evaporation (up to 60 seconds)
Final Cure Time at 100°C:	Liquid Evaporation	Liquid Evaporation	Liquid Evaporation	N/A*
Thermal Stability:	up to 500°F (260°C)	N/A*	< 392°F (200°C)	up to 500°F (260°C)

PRODUCT DESCRIPTION

Frekote® EXITT-EM™

- High gloss finish
- No mold build-up
- Precision retention of mold detail

Frekote® EXITT-EM™ is a water based silicone emulsion that offers superb release properties, excellent part detail, and provides a water based alternative to solvent based products to meet your specific molding requirements. Frekote® EXITT-EM™ is capable of releasing most thermoset and thermoplastic resins, including polyurethanes and can be applied to steel, aluminum, epoxy, urethane, and ceramic mold surfaces.

Frekote® 1450™

- Economical use
- Minimal build-up
- Easy to clean molds

Frekote® 1450™ is a water based solution, specifically formulated for use with resin/asbestos products. It has been extremely effective in releasing resin/asbestos mixtures molded at 302°F to 329°F (150°C to 165°C) as well as automotive disc brake linings. This product can be diluted from 10:1 to 20:1 which makes it an economical choice for use when a sacrificial product is desired.

Frekote® S-50™

- Instant cure at elevated temperature
- Excellent slip

Frekote® S-50™ is a water based material designed for excellent slip in the most difficult-to-release silicone rubber applications. Frekote® S-50™ has no required cure time, low VOC, excellent slip, and low mold build-up. This product forms a thin, inert, thermally stable coating capable of releasing many types of silicone rubbers and is capable of being diluted to a wide range of ratios.

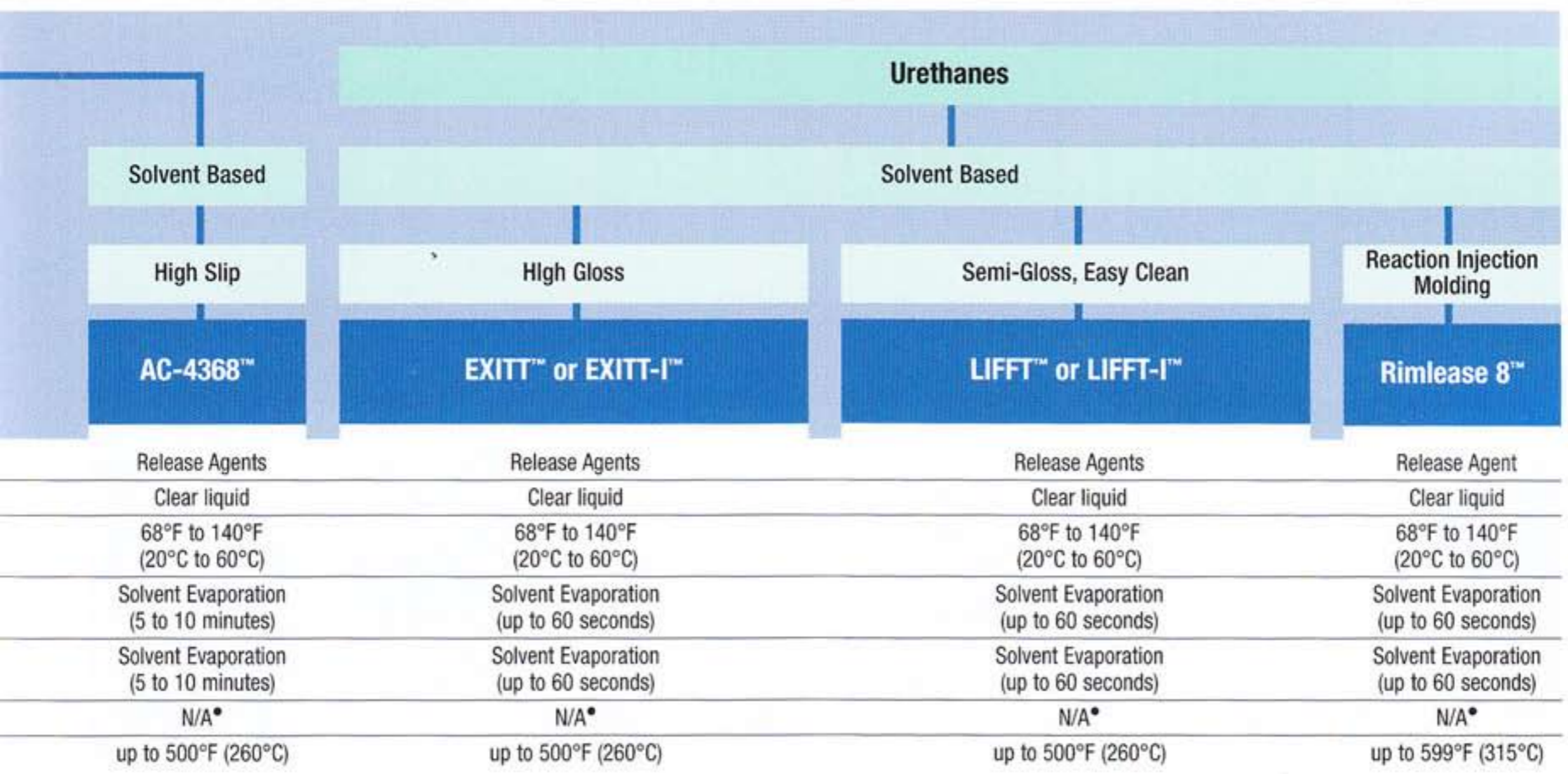
Frekote® 1711™

- Aerosol
- General purpose
- High gloss
- Stable at 500°F (260°C)

Frekote® 1711™ and Frekote® 1711-I™ are silicone, solvent based mold release agents that offer a high gloss finish with excellent part detail and mold geometry retention. These products can be applied to steel, aluminum, epoxy, ceramic, and flexible mold surfaces, and are stable up to 500°F (260°C).

Frekote® 1711-I™

- Non-aerosol liquid
- General purpose
- High gloss
- Stable at 500°F (260°C)



Frekote® AC-4368™

- Excellent slip
- Multi-purpose release

Frekote® AC-4368™ is an all-purpose, silicone based release agent. This product contains a special lubricant which provides optimum release along with surface conditioning on any metal or plastic mold. Frekote® AC-4368™ works equally well releasing epoxies, polyurethanes, and polyesters in room temperature and elevated cure systems.

Frekote® EXITT™

- Aerosol
- Silicone based
- High gloss finish

Frekote® EXITT™ and Frekote® EXITT-I™ are sacrificial mold releases, developed specifically for urethane elastomer systems. They give a high gloss finish with a precise retention of the mold detail and no build-up. These products will also release urethane foams, organic rubber compounds, and most specialty molding resins but are not recommended where parts are to be painted, bonded, or stained. Ideally applied at room temperature. Once the solvents have flashed, these coatings are stable up to 482°F (250°C).

Frekote® EXITT-I™

- Non-aerosol liquid
- Silicone based
- High gloss finish

Frekote® LIFFT™

- Aerosol
- Silicone based
- High gloss finish

Frekote® LIFFT™ and Frekote® LIFFT-I™ provide a semi-gloss finish on molds and allow for easy part clean-up. These products were developed for use with urethane foams and cast elastomers and are recommended for use with parts that need to be painted or bonded.

Frekote® LIFFT-I™

- Non-aerosol liquid
- Silicone based
- High gloss finish

Frekote® Rimlease 8™

- Semi-gloss finish
- Excellent slip
- Minimal transfer

Frekote® Rimlease 8™ was specifically formulated for use as a release interface for RIM and R/RIM polyurethane processes. Frekote® Rimlease 8™ offers a high slip, semi-gloss finish and transfers to the part slightly but can be easily cleaned using warm water prior to painting or any other post-molding process.