

EZ-PART® #3

ALL PURPOSE MOLD RELEASE/PARTING AGENT

EZ-Part #3 is a blend of wax parting agents with just a touch of silicone that is a very effective mold release and parting agent. It provides a very thin film to the mold or part surface, which helps to ensure that there is little or no loss of surface detail.

EZ-Part #3 is an effect release agent for epoxy, urethane, polyester, and many other type of polymers. It is effective on a variety of mold materials including wood, epoxy, steel and aluminum. It does not stain ABS or PVC.

HANDLING PROPERTIES	VALUE	TEST METHOD
<u>EZ-PART #3</u>		
Appearance	Off-White Liquid	Visual
Density	0.78 g/cm ³	ASTM E-201
Flash Point	42°C (108°F)	ASTM D-92
Solids Content	15% – 20%	

Values are based on laboratory or average production results – not for specification purposes.

PROCESSING AND APPLICATION INSTRUCTIONS

Thoroughly clean the surface to be released prior to applying the EZ-Part #3. Ensure surface is clean and dry prior to applying the parting agent.

For use on Plaster, use a plaster sealer to seal the pores of the plaster and eliminate absorption into the plaster, prior to apply the EZ-Part #3. For urethane and epoxy foams, and some woods, it is also helpful to first seal the surface prior to application of the EZ-Part #3 parting agent.

Mix thoroughly prior to use then apply by spraying, brushing on, or wiping on with a clean cloth as follows:

For Spray Application:

Add mineral spirits to EZ-Part #3 to obtain a viscosity that is suitable for spraying with your spray equipment. For most equipment start with about 10% by weight mineral spirits or about 1 parts mineral spirits by volume to 10 parts of the EZ-Part #3. Increase mineral spirits level if the spraying equipment sputters or produces an uneven spray pattern or if a thinner release coating is desired. For best results, spray from multiple angles to ensure even coverage and apply 3 thin layers rather than 1 or 2 thicker layers of the release agent. Allow to dry for about 20 minutes between coats. It is sometimes helpful to polish the release agent layer with a soft cotten cloth after drying and before application of the next layer or after the final layer. This step helps to remove excess release agent from corners of molds and from building up in the parts surface detail. It also can help to ensure the smoothest possible surface finish on the molded parts.

For Brush on & Wipe On Application

Use EZ-Part #3 as provided (dilution is typically not required). Use a Clean Brush or a clean, lint free cloth. For best results, apply 3 thin layers rather than 1 or 2 thicker layers of the release agent.

Product Datasheet



Allow each layer to dry for about 20 minutes between coats . It is sometimes helpful to polish the release agent layer with a soft cotten cloth after drying and before application of the next layer or after the final layer. This step helps to remove excess release agent from corners of molds and from building up in the parts surface detail. It also can help to ensure the smoothest possible surface finish on the molded parts.

If the parts or mold will be used multiple times, it is typically only nessary to apply a single new thin coat between uses. Over time, it is possible to get some build up of the mold release, which can typically be removed with a solvent wipe or vapor degreasing. However, if any build up is happening more quickly than is practical, try diluting the EZ-Part #3 by 50% with mineral spirits when using the mold release between production cycles. This dilution should slow the rate of build up significantly.

PACKAGING AVIALABLE

This product is available in a wide range of package sizes including quart, gallon kits, 5-gallons kits, and 55-gallon drums.

STORAGE GUIDELINES

Store the EZ-Part® #3 in a clean, dry environment in its tightly closed original containers. Store at 59°F – 95°F (15°C - 35°C). Tightly re-seal containers after use. If the recommended storage conditions are observed the products will have a minimum shelf-life of 24 months from the date of shipment.

HANDLING PRECAUTIONS

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

EZ-Part® #3 WARNING! Combustible – keep away from heat and flame. Harmful if swallowed. May cause skin and eye irritation. Do NOT get in eyes, on skin, or clothing. Wash skin and clothing thoroughly after handling. Avoid breathing vapor or mist and use with adequate ventilation. Keep containers closed when not in use. Do NOT take internally.

FIRST AID

In case of contact: **Skin** – Immediately wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes and other articles made of leather. **Eyes** – Immediately flush eyes with plenty of water for 15 minutes and get prompt medical attention. **Inhalation** - Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician. **Ingestion** - Do not induce vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person.

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