

INNERBOND Z-23 COMPOUND

Innerbond Z-23 Compound is a grease-like silicone paste with a polydimethyl siloxane fluid base and a quantity of inert filler. Z-23 Compound is used as a mold release agent in the rubber, plastics, wood and metal conversion industries.

FEATURES

- Excellent anti-adherent properties
- Stable consistency between -40 & 392° F (-40 & 200° C)
- Excellent resistance to chemicals and aging
- Essentially non-toxic
- Chemical inertness

APPLICATIONS

Innerbond Z-23 Compound is used as a mold release in various industries, notably in the plastics conversion industry and in the manufacture of laminates. It prevents the adherence of material during calendering and embossing and imparts a brilliant finish to molded pieces.

REMOVAL

In the event that the silicone coating must be replaced or stripped, careful cleaning should be carried out by hand using wood shavings, cloth rags or other mechanical means.

APPLICATION

Surface should be clean and free of dust and grease. Apply to mold or model in a uniform layer using a pad or brush. Innerbond Z-23 Compound may be applied as a dispersion where necessary; it disperses easily in variety of solvents (gasoline, mineral spirits, benzene, hydrocarbons, chlorinated solvents such as perchlorethylene and trichlorethylene, and methyl ethyl ketone). Equipment used to apply Innerbond Z-23 Compound may be cleaned in these solvents, as well. Innerbond Z-23 Compound is insoluble in water, methyl and ethyl alcohols, glycerin, antifreeze liquids, and greasing oils.

TYPICAL PROPERTIES

Consistency	Light	Specific gravity at 68°F, (20°C)	1.10
Penetration worked (ASTM D 217)	270	Bleed: 24 hrs/392°F, (200°C)	<10%
Penetration unworked/24 hrs. max	260	Evaporation: 24 hrs/392°F, (200°C)	< 3% max
Service temperature range	-40° to 392°F (-40° to 200°C)		

LIMITATIONS

Molds used in the manufacture of parts to be painted or finish-coated should not be treated with Innerbond Z-23 Compound.

HEALTH AND SAFETY

Silicone compounds are not recommended for lubrication of valves or release valves in oxygen lines. Silicone in contact with pressurized oxygen may be hazardous. Consult our Technical Service Department. Innerbond Silicone Compounds are toxicologically inert. Nonetheless, repeated or prolonged contact with skin or mucous membranes should be avoided. Do not swallow or splash in eyes. EYE IRRITANT: In case of eye contact, flush with water. Irritation does not involve cornea and should subside within several hours. If irritation persists, consult a physician. CAUTION: Silicone compounds are slippery. Be careful not to leave traces on floors, ladders, etc., as this may present a hazard.

SHELF LIFE

Stored in the original, unopened container at room temperature (5-25°C / 41-77°F), Innerbond Z-23 Compound has a shelf life of 2 years.

NOTE

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