



SWD Quik-Shield® | 500.4 Packaging Foam

SWD Quik-Shield® | 500.4 is a 0.40 lb, two component, pour in place packaging foam. It is ideal for use in packaging delicate or sensitive items and is a lightweight, cost effective alternative to traditional packaging materials.

SWD Quik-Shield® | 500.4 packaging foam is formulated for use with any dual component packaging foam dispensing equipment.

SWD Quik-Shield® | 500.4 excels at packaging the most delicate and fragile precision items which cannot tolerate vibration or jarring, by providing custom-shaped, molded cushioning for shock, shake and impact protection. It is also anti-static, and has the ability to custom form to any shaped object.

SWD Quik-Shield® | 500.4 is ideal for applications in:

- Computers and electronics
- Manufactured parts
- Automotive parts
- Aerospace equipment
- Medical instruments
- Fragile objects like crystal and China



SWD Quik-Shield® | 500.4 Advantages

There is no better packaging material than polyurethane foam. It delivers a cost-effective, lightweight solution to reduce shipping damages, freight costs, and increase operational efficiencies. Whether used for customized packaging or for molding package inserts polyurethane foam offers the best shipping option.

Packaging foam is better than loose fill peanuts:

Lightweight and inexpensive, peanuts lack the ability to hold materials in place during shipment making them susceptible to damages from shock, shake or impact.

Packaging foam is better than over-boxing:

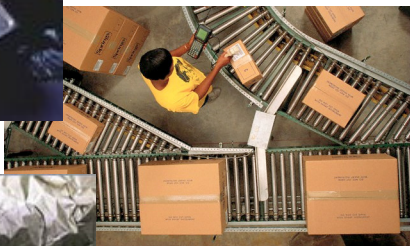
Over boxing is simple, but it is not cost effective and does not increase the stability of an item within the package . Whether the over box is cardboard or wood, the result is increased weight and shipping cost.

Packaging foam is better than encapsulated air:

Bubble wrap lacks the ability to absorb significant impact and does not provide the structural stability to hold an object in place. It is also susceptible to static charges.

Packaging foam is better than expanded polystyrene:

Commonly known as EPS, expanded polystyrene can be highly flammable and difficult to recycle. SWD packaging foam may be safely recycled.





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CHARACTERISTICS

Superior Cushioning:

- Expands to surround products in the shipping container
- Monolithic structure increases product stability
- Absorbs shock and impact without structural loss

Molding Ability:

- Foam may be poured in molds for repetitive use

Ideal for Electronics:

- Foam material is static free and is non-conductive

Safe To Use:

- Contains no Urea Formaldehyde
- Does not give off toxic fumes after application
- Contains no carcinogens

Light Weight:

- High strength to weight ratio
- Lighter than many other traditional shipping materials

Environmentally Friendly:

- Reduces energy and fossil fuel requirements
- No CFC's, HCFC's or VOC's
- No adverse impact on ozone layer
- Finished product is chemically inert
- May be recycled or safely disposed in landfills

Shelf Life:

- Six months from date of manufacture in unopened containers when stored at 50-95° F. Store below 75°F and out of direct sunlight. Remove bung cover with caution.

PROPERTIES

HANDLING PROPERTIES:

(Based on regular grade formulation at 75°F.)

	"A"	"B"
Viscosity, cps at 77° F	200 + 50	1500 + 200
Mixing Ratio (by volume)	50	50

REACTIVITY PROFILE:

(Based on hand-mix @75° F)

Cream Time, Sec	4-5
Rise Time, Sec	20-30
Tack Free, Sec	25-35
Cure time, Hours	24

FINISHED PRODUCT PROPERTIES:

(Procedure refers to ASTM test method reference number)

Property	Procedure	Value
Core Density, pcf nominal	D-1622	0.40

PROCESSING INFORMATION:

Under normal operation conditions, compressed air feed should be 100 psi with fluid line pressure at 200 psi. Hose heat is recommended to be 135° F on the A side and 155° F on the B side . (Settings may vary based upon equipment manufacturer recommendation.)

FORMULATION OPTIONS:

SWD Quik-Shield® |500.4 is available in two additional formulations:

- SWD Quik-Shield® |500.4H (higher density)
- SWD Quik-Shield® |500.4 L (lightweight)

Please consult with an SWD representative to select your best formulation option.

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