

CushionKote™ DATA SHEET

SLIP-RESISTANT, SYNTHETIC-RUBBER COATING SPRAY, ROLL, FORM/MOLD-POURABLE PADDING FOR FORKLIFTS, BOAT CRADLES, STORAGE RACKS, ROLLING DOOR FRAMES, etc.

- CushionKote™** is an elastomeric, two-component, synthetic-rubber polysulfide, specifically designed as a permanent, Walcom gun-sprayable, rollable, or form-pourable, slip-resistant cushion-coating or sealant.
- CushionKote™** provides high adhesion to metals and/or concrete, with only minimal or basic surface preparation.
- CushionKote™** exhibits long service life, high elasticity, and reliable resistance to: petro-chemicals; aviation, marine & diesel fuels; extreme weather & temperature fluctuations; UV-light; aging; normal equipment flexing; fresh, brackish & saltwater; and electrolysis.
- CushionKote™** cures in place, at ambient temperatures, to a firm, resilient, elastomeric, permanent coating. Bonds to metal, masonry, wood, concrete, glass, and most other materials. Pot life & cure time adjustable.
- CushionKote™** possesses excellent resilience and tensile characteristics over a wide temperature range; resists peeling, cracking and degrading, even after years of exposure to harsh environments.
- CushionKote™** is self-leveling & pourable, for easy application on horizontal surfaces, forming an absolute moisture and vapor barrier, resulting in a corrosion-resistant protective coating. May also be applied by Walcom airgun roller up to 15-mil WFT per coat. Self-healing (repairable) and re-coatable to significant DFT.

SURFACE PREPARATION

All surfaces to be coated with **CushionKote™** should be dry, clean, and free from all oil, grease, heavy corrosion, wax, tar, dirt, and other contaminants. A steam cleaning or solvent wipe-down is usually sufficient to remove light deposits. Moderate flash rust is acceptable.

MIXING INSTRUCTIONS

10 parts **Base** are mixed with 1 part **Curing Agent** (10:1 by weight), until completely uniform, and no traces of unmixed base compound or curing agent are visible. Mixing should be done at LOW speed to avoid excessive entrapment of air. Optimum mixing temperature is 75°F ± 5°. Higher temps reduce application life.

APPLICATION

CushionKote™ can be mold-formed from ¼-inch to 2-feet thick. Polysulfide-compatible release agent must be used on mold forms (vendor referrals & product suggestions available upon request). Fixed joint spaces can be filled with a caulking gun by drawing the nozzle along the bottom of the joint seam, completely displace all air with the joint bead. May be spray and/or roll applied 5-mil to 15-mil WFT per coat. Allow adequate tack-time between spray-applied multiple coats.

TOOL & EQUIPMENT CLEANING

Equipment and tools may be cleaned using Acetone, Methyl Ethyl Ketone (M.E.K.), Toluene or chlorinated solvent, immediately after use or before material cures.

PACKAGING

1-quart & 1-gallon kits. Custom packaging available.

PHYSICAL PROPERTIES

APPLICATION

Base Compound Color Off-White
Curing Agent Color Black Paste
Mixed Color Light Gray
Mixing Ratio (by weight) 10:1
Solid Content 94%
Usable "Pot" Life @ 1-Hour at 75°F/50% RH
Tack Time @ 20 to 30-Min. at 75°F/50% RH
Dry-to-Touch Time @ 6-Hours at 75°F/50% RH
Mold Release Time @ 12-Hours at 75°F/50% RH
Full Cure Time @ 48-Hours at 75°F/50% RH

PERFORMANCE

Coverage at ¼" thick @ 6 sq.ft./gal
at 30-mil @ 40 sq.ft./gal
Pourable thickness up to 2-ft+
Allowable Joint Movement Rating >150%
Shrinkage Negligible
Peel Adhesion (100% Cohesive Break) . . . 35 lbs/inch
High Temperature Resistance +275°F
Low Temperature Flexibility -65°F
Hardness (Shore A) 50 - 60
Tensile Break Strength & Ultimate Elongation
Initial at 75°F 250 psi/400%
2 Weeks at 160°F 275 psi/375%
1000 Hrs (Atlas Twin Arc Weatherometer) 260 psi/350%
Tensile Adhesion Strength & Ultimate Elongation
Initial at 75°F 250 psi/400%
10 Days at 160°F 200 psi/300%
7 Days 160°F (Salt water/AV-Gas Immersion) . . . 250 psi/350%
21 Day Ambient (Fresh water Immersion) 250 psi/400%

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