



Dual Pro 380

Heavy Duty, Dual Membrane, Waterproof Decking

MATERIAL STANDARDS/APPROVALS

- ASTM C109
- ASTM C734
- ASTM C794
- ASTM D2047
- ASTM D4060
- ASTM D570
- ASTM D638
- ASTM G23
- AC 39/S4.3; S4.8
- UBC 15-2
- MIL-D-3134
- (Para. 3.9, 4.7.4; Para. 4.7.6)

SPECIFICATION CLASSIFICATIONS

- 07 14 16 Cold Fluid-Applied Waterproofing
- 07 18 13 Pedestrian Traffic Coatings

MATERIALS NEEDED

- PUC1000 Sealant (When Installed Over Concrete)
- Hydro-Shield 380 Adhesive
- Hydro-Shield 380 Seam Adhesive
- Hydro-Shield 380 Waterproofing Membrane
- Metal Lath SF. No.17 Welded Wire or 2.5 expanded
- Mer-Ko Underlayment, Standard
 - Rapid Set (*option*)
 - Thin Slope (emulsion & filler) (*option*)
 - High Build (emulsion & filler) (*option*)
- ARC Emulsion
- ARC Membrane Filler
- ARC Waterproofing Membrane
- Fabric Type III, 10" Burlap
- Fabric Type II Glassmat
 - Fabric Type III, 40" Burlap (*option*)
- Weather Deck Emulsion
- Weather Deck Bodycoat Powder
 - Bodycoat Powder, Rapid Set (*option*)
 - Bodycoat Accelerator (*option*)
- Weather Deck Membrane Filler, Standard 70
 - Fine 90 (*option*)
 - Super Fine (*option*)
- Prep Seal Primer
- Mer-Ko Seal Topcoat

AESTHETIC FINISHES/TEXTURES

Traditional trowel and broom finishes can be accomplished, in addition to advanced design options such as lace texturing, trowel knock-down, stippling, scoring, stenciling, etc. This wide array of finish options provides unlimited aesthetic design flexibility without sacrificing superior waterproofing protection.

SUBSTRATES

Dual Pro 380 can be installed over properly prepared plywood and concrete substrates or most properly prepared above grade existing surfaces.

USES/APPLICATIONS

- Over Occupied Spaces
- Exterior Flat/Walking Roof Decks
- Observation Decks
- Promenade Decks & Balconies
- Elevated Walkways & Breezeways
- Commercial & Residential Pedestrian Traffic Areas
- High Rise Buildings
- Multi-Level / Multi-Use Facilities
- Decorative Exterior Positive-Side Waterproofing Applications

SYSTEM DESCRIPTION

Dual Pro 380 is a multi-layer, cementitious, elastomeric decking system engineered to provide maximum waterproofing protection over occupied space. This system is comprised of a durable, direct bond waterproofing sheet; a high-strength, trowel grade, polymer modified, metal lath reinforced cementitious underlayment and a multi-layer, fabric reinforced, elastomeric waterproofing membrane designed to inhibit reflective cracking from the substrate and create a seamless, membrane barrier for maximum positive-side waterproofing protection. The waterproofing membrane, underlayment, membrane filler and bodycoat emulsions all incorporate an anti-microbial component, a performance additive that inhibits the growth of mold and mildew on the membrane surface and in damp environments. The wearing surface is comprised of a seamless, elastomeric decking system with superior durability and ultimate protection. Dual Pro 380 is sealed with a high-solids acrylic topcoat which provides durable, long-term protection from UV degradation, offering aesthetic appeal and enhanced design flexibility when accents are incorporated.

Dual Pro 380 installs at a minimum 0.75 to 3.75 inches (19mm to 95mm) finished thickness and is designed for use over properly prepared plywood or concrete substrates. It can also be installed over properly prepared existing surfaces, e.g. quarry tile, flagstone, etc. The underlayment mortar layer can be sloped to provide drainage and to prevent elevation problems at doorways, landings, steps, etc.

Dual Pro 380 incorporates flashing at vertical surfaces, thresholds, and dual drip edge flashings and or dual level drains where required. A wide variety of finishing techniques and textures can be used to provide additional skid resistance and enhanced aesthetics.

ADVANTAGES

- Seamless, monolithic waterproofing membrane system
- Premium waterproofing protection
- Anti-reflective crack membrane
- Provides a wearing surface designed to transform unused space into functional entertainment, relaxation, etc. areas
- Excellent adhesion to sound, dry substrates
- Can be installed over most existing surfaces
- Maintains elastomeric properties at low temperatures
- Resists degradation from UV, ozone, and weathering
- Outstanding long-term durability and performance
- Superior resistance to flexing and twisting

SKID-RESISTANCE

Additional skid-resistance is recommended with the use of satin and semi-gloss topcoats and can be incorporated by applying the optional Texture coat prior to the Prep Seal and Topcoat applications.

COLORS

Mer-Ko Seal Topcoat is available in 16 standard and 12 Sport Court colors in matte with select colors available in satin, and semi-gloss. Consult the Color Selection Guide for additional details.

INSTALLATION CONDITIONS

The Dual Pro 380 system must not be installed if the surface or ambient temperature is or will drop below 40°F (4.4°C) or rise above 120°F (48.8°C) within 24 hours, or when precipitation is expected or occurring during application.

Cold climate applications may require additional technical considerations. Consult Mer-Ko for specific requirements.

SUBSTRATE PREPARATION

The substrate surface must be clean, dry and free of dust and any other contaminants at the time of material application. A minimum finished deck slope of 2% (1/4 unit vertical in 12 units horizontal) is required for proper drainage. Use No. 26 gage bonderized steel or equivalent flashing around the perimeter; clean and degrease all metal flashings with isopropyl or denatured alcohol. Do not use copper perimeter

COVERAGES

Coverage rates are approximate only and can vary greatly due to surface conditions, temperature and installation techniques.

Plywood Joints

Membrane Filler Grout Coat.....150-200 LFT (46-61m)/40 lb. bag mix

Concrete Joints

Mer-Ko PUC 1000 Sealant48-64 LFT (15-20 m)/10.5 oz. tube
(Based On 3/16" Bead)

Waterproof Membrane Sheet

Hydro-Shield 380 Waterproofing Membrane487.5 ft² (45 m²)/roll
Hydro-Shield 380 Adhesive 160 ft² (14 m²)/pail
Hydro-Shield 380 Seam Adhesive 320 LFT (97.5 m)/case
(Based On 1/4" Bead)

Underlayment

Standard/Rapid Set/Thin Slope ... 12.5 ft² (1.2 m²) at 0.5 inch (1.3mm)
High Build 6.25 ft² (0.6 m²) at 1 inch minimum (25mm)

Base Flashing

ARC Membrane Filler Primer Coat 200 ft² (18.6 m²)/40 lb. bag mix
Yield: 1/32" (0.8mm)

Horizontal Deck Surface

ARC Membrane Filler Primer Coat.....160-180 ft² (15-17 m²)/40 lb. bag mix
Yield: 1/32" (0.8mm)

Reinforced Waterproofing Membrane

Base Flashing..... 167 ft² (14 m²)/5 gallon pail
Yield: 20 mil (0.5mm) DFT
Horizontal Surface 167 ft² (14 m²)/5 gallon pail
Yield: 20 mil (0.5mm) DFT
Synthetic Burlap 10".....300 LFT (91.5 m)/roll
Glassmat Type II 36".....1,200 ft² (111.5 m²)/roll
Synthetic Burlap 40" (Fabric Option).....1,000 ft² (93 m²)/roll

Bodycoat40-45 ft² (4 m²)/50 lb. bag
Yield: 1/8" (3.2mm)

Smoothing Coat..... 150-200 ft² (14-19 m²)/40 lb. bag mix

Intercoat Primer..... 1,750-2,000 ft² (163-186 m²)/ 5 gallon pail

Topcoat 750-1,000 ft² (70-93 m²)/5 gallon pail

flashings. Stainless steel requires scuffing with the use of 100-120 grit sand paper prior to cleaning.

Plywood Surfaces

Plywood substrates shall be a minimum 5/8 inch thick (16mm) exterior grade, PS 1, exposure one, plywood, complying with and installed in accordance with the 2006 International Building Code and/or 2009 International Building Code with all edges blocked. Face plies must be perpendicular to the supports. The plywood must be attached to all blocking and end bearings with countersunk wood screws, screw or ring-shank nails equivalent to 8d common nails, spaced 4 inches (101.6mm) on center at sheet perimeters and 8 inches (203.2mm) on center in the field areas, or as otherwise required by the IBC, whichever is more restrictive.

Concrete Surfaces

Concrete surfaces must be clean, sound and provide a uniform surface free of depressions and ridges. Prepare concrete surfaces using a power sprayer, grinder or shot blast as required to produce a clean, sound substrate. All holes must be cleaned and filled with an appropriate Mer-Ko Underlayment. All high spots must be removed by chipping or grinding. Concrete control joints should coincide with stress relief concentration points, with a maximum spacing of 20 feet (6.1 m).

APPLICATION INSTRUCTIONS

Read all instructions before starting application.

1. Fill plywood board joint-spacing gaps with ARC Membrane Filler mixed with 1.75 to 2 gallons of ARC Emulsion to one 40 lb. bag, strike flush prior to drying and remove debris. Allow to dry a minimum of 2 hours at 70°F (21°C) 50% RH, prior to commencing with installation of the Hydro Shield 380 Adhesive. The use of a mason's grout bag can aid in the application of the membrane filler joint grouting. Fill concrete control joints with

PACKAGING

Waterproofing Membranes

Hydro-Shield 380 Waterproofing Membrane..... 39 in. x 150 ft. (487.5 ft²)/roll
99 cm x 45.7m (452m²)/ roll
ARC Waterproofing Membrane.....5 gallon 18.9 liter

Adhesives and Sealants

PUC 1000 Sealant 10.5oz. tube..... 0.3 /tube, 12/case
Hydro-Shield 380 Adhesive.....4 gallon 15.1 liter
Hydro-Shield 380 Seam Adhesive 10.5oz. tube.... 0.3 L/tube, 10/case

Underlayment

Standard Compound..... 50 lb bag..... 22.7 kg bag
Rapid Set Compound..... 50 lb bag..... 22.7 kg bag
Thin Slope Emulsion5 gallon 18.9 liter
Thin Slope Filler..... 50 lb bag..... 22.7 kg bag
High Build 150 Emulsion.....5 gallon 18.9 liter
High Build Filler..... 50 lb bag..... 22.7 kg bag

Primers

ARC Emulsion5 gallon 18.9 liter
ARC Membrane Filler..... 40 lb. bag..... 18.1 kg bag
Prep Seal Primer5 gallon 18.9 liter

Fabrics

Glassmat Type II 36".....1,200 ft² roll..... 111.5 m²
Synthetic Burlap 10"..... 300 LFT. roll..... 91.5 m²
Synthetic Burlap 40"1,000 ft² roll..... 93 m²

Bodycoat

Weather Deck Emulsion5 gallon 18.9 liter
Weather Deck Bodycoat Powder..... 50 lb. bag..... 22.7 kg bag

Smoothing /Texture Coat

Weather Deck Emulsion5 gallon 18.9 liter
Weather Deck Membrane Filler 40 lb. bag..... 18.1 kg bag

Topcoat

Mer-Ko Seal (Matte, Satin, or Semi-Gloss).....5 gallon 18.9 liter

Mer-Ko PUC 1000 sealant and tool flush as necessary. Allow to dry a minimum of 24 hours at 70°F (21°C) 50% RH, prior to commencing with the installation of the Hydro Shield 380 Adhesive.

2. Waterproof Membrane Sheet

Apply 1 coat of Hydro-Shield 380 Adhesive over the prepared horizontal substrate using a 3/32 inch notch trowel (adjust the notch trowel's depth as necessary to meet substrate conditions) ensuring complete coverage. While the material is still wet, install the Hydro-Shield 380 Waterproofing Membrane sheet; apply the adhesive/membrane layers in sections working across and off of the horizontal surface. When applicable, install a bead of Hydro-Shield 380 Seam Adhesive on the drain flange under the Hydro-Shield Waterproofing Membrane and press the membrane into the sealant, overlapping all flashing devices and drains. Overlap membrane sheet edges a minimum of 3 inches (76mm). Use a weighted roller to bond Hydro-Shield 380 Waterproofing Membrane to the Hydro-Shield 380 Adhesive.

Bond and seal the membrane sheet perimeter terminations and overlaps using a 1/4" bead of Hydro-Shield 380 Seam Adhesive.

Use a weighted roller to bond Hydro-Shield 380 Seam Adhesive to the Hydro-Shield 380 Waterproofing Membrane seams and terminations. Allow to dry 1 hour prior to flood testing. Allow to dry 24 hours at 70°F (21°C) 50% RH, prior to commencing with the installation of the Underlayment.

3. Metal Lath Reinforcement

Install a minimum No.17, 1.5 x 1.5 inch self furred, welded wire mesh (Structalath™) or optionally, a minimum 2.5 self furred galvanized expanded metal lath. For larger areas, the lath can be placed as the underlayment is installed to avoid the crushing/loss of the furring when walked on. Overlap wire lath a minimum 1.5 inches (one opening/square), overlap metal lath a minimum 1 inch. Do not mechanically fasten lath. Lath overlaps are tied together at 1 foot intervals using a minimum 18 ga. galvanized annealed steel wire.

4. Underlayment

Install the project appropriate Mer-Ko underlayment at a minimum 0.5 to 3.5 inch (13mm to 89mm). See the particular Mer-Ko Underlayment data sheet for further information.

Standard/Rapid Set

Apply Underlayment mixed with 1 gallon (3.79 L) of water per 50 lb. (22.7 kg) bag, to horizontal surface areas at the required thickness, 0.5 to 3 inches (13-76.2mm). Screed and/or float as necessary to ensure complete coverage. Allow the material to dry for 8 hours for foot traffic; 12 to 24 hours at 70°F (21°C) 50% RH, prior to the application of the Membrane Filler Primer Coat.

Thin Slope/High Build

Apply the appropriate Underlayment, (Thin Slope or High Build) mixed with 1 gallon (3.79 L) of the appropriate Emulsion per 50 lb. (22.7 kg) bag, to horizontal surface areas at the required thickness 0.5 to 3.5 inches (13-89mm). Screed and/or float as necessary to ensure complete coverage. Allow the material to dry 8 hours for foot traffic; 12 to 24 hours at 70°F (21°C) 50% RH, for the installation of the Membrane Filler Primer Coat.

5. Primer Coat – Flashing

Apply a primer coat using a mixture of 1.75 gallons of ARC Emulsion to one 40 lb. bag of ARC Membrane Filler along the flashing surfaces where bonding will occur using a brush ensuring complete coverage.

6. Primer Coat – Horizontal Surface

Apply a primer coat of ARC Membrane Filler mixed with 1.5 to 2 gallons of ARC Emulsion to one 40 lb. bag over the entire horizontal underlayment substrate, using a Trowel, pulling the material tight. Allow the primed areas to dry a minimum of 2 hours at 70°F (21°C) 50% RH, prior to commencing with installation of the waterproofing membrane. Remove minor surface imperfections by lightly trowel scraping and or sanding. Remove resulting debris.

7. Base Flashing – Reinforced Waterproof Membrane

Waterproof the flashing area by applying one thick coat of ARC Waterproofing Membrane onto the primed vertical surface and onto the adjacent horizontal surface far enough to accommodate the remaining portion or the 10" fabric using a brush or roller, at a minimum 15 mil (0.38mm) DFT.

Immediately embed the 10" synthetic burlap (Type III Fabric) filament/fuzzy side down in the wet Waterproofing Membrane saturating it completely, overlapping successive runs of fabric edges a minimum of 2 inches (51 mm). Make sure the burlap is fitted tightly in corners and around protrusions. Brush apply Waterproofing Membrane into tight areas and corners to fill holes and other voids. Apply additional Waterproofing Membrane as necessary over flashing areas to ensure positive waterproofing (no pinholes).

Using the same methods, apply a second coat of Waterproofing Membrane to all vertical surfaces at a minimum 5 mil (0.13mm) DFT. completely covering the burlap. The Waterproofing Membrane should be applied at an over all minimum 20 mils (0.51mm) DFT.

8. Horizontal Surface-Reinforced Waterproof Membrane

Waterproof the horizontal surface by applying 1 thick coat of ARC Waterproofing Membrane at a minimum 15 mil (0.38mm) DFT over the primed surface, using a trowel or roller, ensuring complete coverage. Immediately and while the material is still wet, embed the Glassmat Type II (Option: 40" Synthetic Burlap/ filament/fuzzy side down) fabric into the wet Waterproofing Membrane saturating it completely.

Firmly trowel-push the fabric into the wet membrane material to ensure that it is completely embedded. No dry or fabric material spots should be visible and the fabric should lay completely flat and without wrinkles. Overlap successive runs of fabric edges a minimum of 2 inches (51 mm). Apply additional Waterproofing Membrane as necessary over areas to ensure positive waterproofing (no pinholes). Apply the membrane/fabric/membrane layers in sections working across and off of the horizontal surface.

Follow with an additional coat of Waterproofing Membrane using the same methods at a minimum 5 mil (0.13mm) DFT completely covering the fabric. Waterproofing Membrane should be applied at an over all minimum 20 mils (0.51mm) DFT. Allow the entire area to dry a minimum of 24 hours at 70°F (21°C) 50% RH, until dry enough to walk on without leaving impressions. Applications in elevated humidity conditions will require additional dry time.

PHYSICAL CHARACTERISTICS – DECK WEARING SURFACE

Abrasion Resistance	0.375 gram loss (ASTM D4060, C-17 Wheel, 1,000 gram load for 1,000 cycles)
Low Temperature Flexibility	> 374 psi (ASTM C734) (Burlap reinforced membrane)
Compressive Strength	3,500 psi (ASTM C109)
Elongation	0.04 ft./ft. (ASTM D638)
Fire Rating	One-Hour (AC 39/S4.3, UBC 15-2)
Indentation Characteristics	Complies (MIL-D-3134, Para. 3.9, 4.7.4)
Membrane Value	No seepage under water-heads to 115 ft.
Ozone Resistance	No visual adverse effects after 30 days exposure
Resistance to Aging	2000 hours, No visual signs of failure (ASTM G23, AC 39)
Slip Resistance ¹	Dry Leather 0.63 (ASTM D2047, Wet Leather 0.72 MIL-D-3134, Para. 4.7.6) Dry Rubber..... 0.80 Wet Rubber 0.84
Tensile Strength	>625 psi (ASTM D638) (Glassmat reinforced)
Thickness	1/4" (6.35 mm)
Water Absorption	Average 7.9% (ASTM D570, AC 39/S4.8)
Weight	Approximately 2 lbs./sq. ft.
Wind Resistance	80 mph (129 kph)

¹Tested using Mer-Ko Seal Matte Finish material

PHYSICAL CHARACTERISTICS HYDRO-SHIELD 380 WATERPROOFING MEMBRANE

ANSI A118.12	Exceeds ("High Performance" Criteria)
IAPMO	listed
ANSI A118.10	Passed
Aspergillus Niger, ATCC 9642	Passed (Fungus and Micro-Organism Resistance)
ASTM D751/ASTM C482	Passed (Seam Strength)
ASTM D751	Passed (Breaking Strength)
ASTM D1204	Passed (Dimensional Stability)
ASTM C482	7 day 152.9, 4 week 131.3, 12 week 115.2/req. 7 day water immersion-142.5, 100 day-135.6/req.

PHYSICAL CHARACTERISTICS – FABRIC REINFORCED MEMBRANE

Low Temperature Flexibility	Passed (ASTM C734) (Fabric reinforced membrane)
Drying Time	Approximately 24 Hours at 70°F/21°C and 50% RH
Elongation over Cracks	0.22 inches (ASTM D638)
Freeze/Thaw Cycling	No Change (250 cycles after cure)
Membrane Value	No seepage under water-heads to 115 ft.
Temperature Sensitivity	At Installation..... +40°F to 120°F (+4.4°C to 48.9°C) After Installation.....-60°F to 200°F (+15.6°C to 93.3°C)
Tensile Strength	450 psi (ASTM D638)
Thickness	20 mils

9. Bodycoat

Apply Weather Deck Bodycoat mixed with 1 to 1.25 gallons of Weather Deck Emulsion to one 50 lb. bag, over the dry membrane surface in 1 or 2 applications using a trowel, producing a minimum 1/8 inch (3.2mm) Bodycoat. If two applications are used, allow a minimum of 2 hours between applications.

Allow to dry a minimum of 4 hours at 70°F (21°C) 50% RH, and remove any surface irregularities (e.g., overlaps or cold joints) by sanding, using a mason's stone or trowel scraping. Remove resulting debris to allow a secure bond of the Smoothing Coat.

10. Smoothing/Texture Coat

Apply a coat of Weather Deck Membrane Filler, mixed with 1.5 gallons of Weather Deck Emulsion to one 40 lb. bag, as a smoothing coat over all vertical and horizontal surface areas. Brush or trowel apply to vertical areas and trowel apply to the entire deck surface. Optionally, for texture or an extra smooth surface, apply a second coat. Allow the first coat to dry a minimum of 2 hours before proceeding with any second application. Allow to dry a minimum of 24 hours at 70°F (21°C) 50% RH, and sand the surface using medium 120-grit sandpaper, sanding discs, or soft burnishing pad as necessary to produce the desired level of finish. Remove any dust or debris.

11. Topcoat

Apply 1 coat of Prep Seal Primer using a 3/8 to 3/4 inch nap paint roller, ensuring complete coverage. Apply liberally on textured surfaces. Allow to dry a minimum 1 hour at 70°F (21°C) 50% RH, then proceed with application of one heavy coat of Mer-Ko Seal Topcoat using a paint roller, in a sample area using appropriate finish texture technique(s) and color(s) to achieve the desired finish. Upon approval, apply the Mer-Ko Seal Topcoat in the selected color and finish to all vertical base flashing and horizontal deck areas. Allow to dry a minimum of 2 hours at 70°F (21°C) 50% RH, then apply a second coat of Mer-Ko Seal Topcoat perpendicular to the first. Allow to dry before returning to light service; 6 to 8 hours for normal service.

CAUTIONS & LIMITATIONS

- Mer-Ko waterproof deck systems are designed for professional installation.
- System warranties require installation by currently listed applicators.
- In freezing climates, sufficient pitch is required to ensure run-off.
- When covering a "sandwich slab" or quarry tile deck, provision must be made to vent the area created between the existing vapor barrier and the Dual Pro 380 system.
- When installing a deck system over an unheated enclosed space (e.g., soffit, ceiling, etc.) provision must be made to vent the area.
- Drains must be of a design suitable to receive Dual Pro 380 system.
- Concrete substrates must have a minimum compressive strength of 3,000 psi tested by "point loading" technique.
- Dual Pro 380 provides moderate chemical resistance. Avoid exposure to harsh chemicals or acids.
- Cementitious materials should be used within 30 minutes, do not re-temper.

- Compositions of oxychloride cement, epoxies, urethanes, PVC's, PVA's, silicones, solvent thinned elastomer solutions or combinations thereof will not be considered acceptable under this specification.
- Always apply Prep Seal intercoat primer prior to the application of the Mer-Ko Seal Topcoat and between any system layers that have cured for more than 72 hours.
- The ARC Waterproofing Membrane should not be exposed for more than 72 hours prior to being covered with the Bodycoat. Do not leave any other layer unprotected for more than 30 days prior to completing the full system installation, including final topcoat application.
- Not designed for vehicular or heavy steel wheeled traffic.
- Protect all finished surfaces that are not intended to receive the deck coating system materials.

CARE & MAINTENANCE

Dual Pro 380 is designed to provide easy cleanability and low maintenance. To extend the life of the deck to its maximum potential, establish a regular cleaning schedule using a mild soap and water solution, TSP (Tri Sodium Phosphate), All Purpose Cleaner, Glass & Surface Cleaner or similar Products (check suitability before using). Use a stiff broom or scrub brush to remove any contaminants on the surface of the deck. Rinse thoroughly with clean water after scrubbing. Do not use solvents to remove contaminants as this may cause damage to the deck surface. The Mer-Ko Seal Topcoat is designed to resist direct exposure to environmental elements and withstand normal wear. When traffic patterns become visible or heavy impacts mar the surface, the topcoat should be re applied to restore aesthetic appeal.

Decks should be re-sealed every 3 years or sooner for best results, or per the schedule listed on the warranty issued. The functionality of the Dual Pro 380 system is not impacted by aesthetic imperfections. Refer to Cementitious Care & Maintenance Instructions for more detailed information on proper care and maintenance.

STORAGE & HANDLING

Store all Dual Pro 380 materials off the ground in a dry environment at temperatures between 40°F and 100°F (4.4°C and 38°C) and not in direct sunlight. All materials should be stored in compliance with local fire and safety requirements. Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying these products.

SHELF LIFE

Product shelf life for most products is six (6) to twelve (12) months from the date of manufacture when properly stored in the original, unopened container. Refer to individual component data sheets for specific storage and shelf life information.

WARRANTY

Five (5), ten (10), and fifteen (15) year system warranties are available. Contact Mer-Ko's Customer Care Department for specific warranty information.

Any recommendation or suggestion relating to the use of MER-KO products made via current technical literature, marketing materials, technical application guides, specifications, and the like, or in response to specific inquiry or otherwise, is based on data believed to be reliable. However, the products and information are intended for use by Buyers having requisite skill and know-how in the industry. Therefore, it is the responsibility of the Buyer to satisfy the necessary requirements of suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. Mer-Ko believes the information contained herein is true and accurate as of the date of publication. Information contained here is for evaluation only. Mer-Ko reserves the right to modify and/or change products or literature at any time and without prior notice.