PRODUCT DATA SHEET

MEDSCAPES HPD v2™

JUNE 2020

MATERIAL: Teknoflor® Medscapes HPD v2™
High Performance Design Homogeneous Commerical Resilient Sheet Flooring
- Overall Thickness: 2.0mm (0.080”)
- Width: 67” Wide (2m)
- Pattern Repeat: Varies per color, refer to guide specifications on website
- Length: 65” Long (20m)
- Packaging: 47.8 SY (430.6 SF) Per Roll
- Weight: 290 lbs/Roll

ANTIFUNGAL ACTIVITY: No antimicrobial agent added. ASTM 021: No growth or trace of growth. (< 10% growth) Passes requirements

WARRANTY: 12 Year Wear Warranty. Teknoflor® will furnish replacement flooring free of charge if there is a loss of pattern or color under normal commercial use of Teknoflor® for 12 years commencing on date of substantial completion, provided the flooring was installed and maintained per standards set by Teknoflor, commencing on date of substantial completion, commercial use of Teknoflor® which the products will furnish in lieu of other remedies. A loss of original pattern and color under normal conditions arising from hydrostatic pressure, moisture or alkali improper installation or maintenance, excessive.

COLOR SELECTION: 17 true through-pattern colors


TEST DATA:
- ASTM F1913: Virgin PVC, No outside recycled content and Phthalate Free
- HP Urethane Coating
- ASTM F925 Chemical Resistance: 0-No Change or 1-Slight Change: Passes Requirements
- ASTM F1515 Heat Stability Color Change Average & Max AE < 0.8 avg. Passes
- ASTM F1515 Light Stability Color Change Average & Max AE < 0.8 avg. Passes
- ASTM F1914 avg. ≤ 0.007” @ 75 lbs: Passes
- ASTM F970 Static Load Limit: 250 psi ≤ 0.005” residual indentation; Exceeds requirements 1,000 psi at max limit.
- ISO 4918 Castor Chair Test: 25,000 cycles - S - No Change.
- ASTM E648 Critical Radiant Flux: NFPA Class 1 (>0.45 Watts/cm²) Passes
- ASTM E662 Smoke Density: <450 in flaming and non-flaming Passes
- ASTM D2047 Coefficient of Friction: ≤ 0.5 SOOF Static, Dry. 0.6 SOOF Dry
- ANSI A326.3 Coefficient of Friction: ≥ 0.42 SOOF Dynamic, Wet. Passes
- ASTM F137 Flexibility: No cracks/breaks from 0.25” (6.4mm) Mandrel Passes
- Phthalates ASTM D7823/CPSC-CH-C1001-09.3 (Refer to CPSIA) Passes
- ISO 9001 and IS-9001 Certified Mfr.
- ASTM F963 Heavy Metals: None detected
- ANSI ESD STM97-2 Body Voltage Average (Abs): ≤ 2.0 kV. Passes
- REACH-Substances of Very High Concern: Meets Requirements
- Flooring Certified SCS-FS-04567

INSTALLATION:
- For interior installations only. The building envelope must be enclosed with operational HVAC for a minimum of 1 week and preferably 2-3 weeks before starting installation.
- The subfloor surface shall be smooth and flat to 3/16” in 10 ft. (3.9 mm in 3 m) and 1/32” in 1 ft. (1 mm in 300 cm). (ASTM F710)
- Moisture and pH testing shall be properly performed and documented to confirm subfloor suitability:
  1. Concrete:
     a. ASTM F2170 In-situ Relative Humidity
     b. ASTM F1869 Calcium Chloride;
     c. pH testing (ASTM F710);
  2. Wood: Calibrated Wood Pin Meter
- Install resilient flooring and accessories after other trades, including painting and overhead operations and alkali resistant, non-shrinking and water-resistant with a minimum 3,500 psi cured compressive strength. Ensure proper mix water ratio, working time, drying time and moisture testing. CAUTION: Gypsum patching compounds shall not be used unless recommended and warranted by manufacturer as project compliant.

ADHESIVE:
- Use adhesives recommended by the flooring manufacturer.

APPROVED SUBSTRATES:
- Properly prepared concrete, Thick Pour Gypsum (ASTM F2419), suspended wood and metal subfloors. Subfloor must be suitable for intended use and rigid, smooth and flat, permanently dry, clean & free of all foreign materials any other deleterious contaminants that may act as a bond breaker or staining agent.

SURFACE PREPARATION:
- Use high quality Portland cement and or calcium aluminate based patching and leveling compounds recommended by their manufacturer for intended use conditions. The underlayment shall be mold, mildew resistant, non-shrinking and water-resistant with a minimum 5,300 psi cured compressive strength. Ensure proper mix water ratio, working time, drying time and moisture testing. CAUTION: Gypsum patching compounds shall not be used unless recommended and warranted by product manufacturer as project compliant.

INSTALLATION PROCEDURES:
- Roll out resilient sheet flooring with top surface up. Allow material to relax for twenty-four (24) hours.
- Trim off all damaged ends.
- Straight edge or underscribe all side and end seams.
- Fold back sheet half way. Spread adhesive
- Roll sheet with 100-pound roller. Hand-roll all seams and perimeter of installation.
- Seams:
  1. Heat weld all seams:
     a. Groove seam to accept weld rod.
     b. Melt matching/contrasting weld rod into grooves using heat weld gun.
     c. Once the heat weld is completely cool, use guide plate on flat surface or other weld trimming knife to skive the weld rod for the first pass. Trim the second pass without the guide plate to provide a smooth flush seam.
  2. Chemical weld all seams using manufacturer’s approved low gloss chemical weld.

ROUTINE MAINTENANCE:
- Before beginning, read all safety warnings, wear appropriate protective gear and put out caution signs in the area to be cleaned.
- Sweep, dust mop or vacuum the floor to remove all loose dirt and grit. Do not use treated dust mops.
- When available, clean the floor with an auto scrubber using a properly diluted Neutral pH cleaner and a 3M 5100 Red pad or equivalent pad or brush. Routin cylindrical brush cleaning is recommended for textured floors. DO NOT USE A MORE AGGRESSIVE PAD OR BRUSH.
- When an auto scrubber is not available, mop on a properly diluted Neutral pH floor cleaner. Apply the solution liberally, but do not flood the floor. Clean the floor using a mop, flat mop or machine scrub with a low speed (175-350 RPM) using a 3M 5100 Red pad or equivalent pad or brush. DO NOT USE A MORE AGGRESSIVE PAD OR BRUSH.
- Completely remove the cleaning solution using an auto scrubber, shop vacuum or mop and let the surface dry.
- Fans or air movers can speed up the drying process. Once the floor surface is clean and dry, remove caution signs.

FURNITURE RESTS & PROTECTORS:
- Use appropriate furniture rests and floor protectors under all chairs, furniture, rolling equipment and beds. Proper selection and care of furniture rests, wheels and floor protectors is an important part of effective floor care.
  - Key Elements include:
    a. NON-STAINING: Be made of non-staining materials.
    b. RADIUSED EDGE: Provide slightly radius or rounded edges.
    c. SUFFICIENT CONTACT AREA: Have a surface contact area that is large enough to evenly distribute the load without causing damage to the floor. Generally, a 1” or larger diameter flat smooth contact area is appropriate for most applications.
    d. COMPOSITION OF FLOOR GLIDES: Commercial grade felt glides are preferred for resilient flooring. Stainless steel, nylon and non-staining rubber glides can be used. Do not use metal glides that may rust or plastic glides as they become abrasive with use and can scratch the floor.

COMPOSITION OF WHEELS:
- Wheels for resilient & hard surface flooring should have a soft tread compound of urethane or non-staining rubber. Do not use hard plastic or metal wheels or rollers on resilient flooring. Hard wheels can cause surface damage to the flooring and break the adhesive bond causing bubbling.

Reference www.teknoflor.com for complete Maintenance instructions.

Teknoflor® Medscapes HPD v2™ is a NO-WAX, NO BUFF product.