



# SUPERMAX

2022-27-05

## 1. PRODUCT NAME

**SUPERMAX**

## 2. MANUFACTURER

**PROFLEX® Products, Inc.**

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## 3. PRODUCT DESCRIPTION

PROFLEX® SUPERMAX – High density, elastic rubber foam enhanced with recycled cork. Specifically designed for light commercial applications that require crack isolation and noise control in multi-level residential and office buildings.

*Typical use: Residential and Light Commercial*

### High-performance crack isolation

- Made from a proprietary blend of elastic rubber foam and cork granules. Superior elasticity will disrupt concrete subfloor cracks up to 1/8" protecting the finished tile flooring above. Tested and approved as a high-performance crack isolation membrane in accordance with ANSI A118.12.

### Essential Noise Control

- Natural cork granules and high-density rubber foam help absorb vertical impact and airborne noise transfer from room to room. Acoustical testing performed in accordance with ASTM E90 and ASTM E492. Sound ratings for porcelain and ceramic tiles – up to IIC 64, STC 62, DELTA 21.

### Innovation Installation

- Using a pressure-sensitive adhesive to apply the membrane to the subfloor allows for same-day thin-set and tile installation. Approved for use with most Proflex Adhesives Products.

## 4. SOUND RATINGS:

- PORCELAIN AND CERAMIC TILES UP TO - IIC 64, STC 62, DELTA 21
- LUXURY VINYL TILES AND PLANKS UP TO – IIC 69, STC 63, DELTA 25
- LAMINATE AND WOOD PRODUCTS UP TO – IIC 68, STC 63, DELTA 22

## 5. INSTALLATION:

**IMPORTANT – MAKE SURE TO USE A ¼" EXPANSION GAP WHEN INSTALLING TILES AROUND THE PERIMETER OF THE ROOM AND ALL PINCH POINTS TO ALLOW FOR PROPER EXPANSION AND CONTRACTION. IMPROPER INSTALLATION OF TILES COULD RESULT IN THE TILES LIFTING AND SPLITTING SUPERMAX MEMBRANE THROUGH THE MIDDLE. SUPERMAX IS NOT A STRUCTURAL PRODUCT. ACOUSTICAL MEMBRANES WILL NOT STOP TILES FROM LIFTING DUE TO IMPROPER INSTALLATION TECHNIQUES.**



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### Surface Preparation of Selected Substrates:

Concrete shall be in place a minimum of 28 days. Concrete shall be installed in compliance with industry standards and concrete manufacturer's instructions. The surface shall have a smooth finish and be free from voids, sharp protrusions, and loose aggregate. Substrate temperature should be between 50°F and 75°F. Concrete shall be structurally sound, dry, clean, and free of dirt, oils, grease, paint, concrete sealers or curing compounds, cement laitance, and other similar bond inhibiting materials. Rough or uneven surfaces should be made smooth with a Latex Portland cement underlayment to provide a smooth and acceptable finish. Do not level with asphalt-based products. Concrete should be tested for moisture vapor transmission by use of a Calcium-Chloride (CaCl) test. Consult technical support if test readings indicate a reading greater than 5# per 1000 sq. ft/24 hours. Plywood must be a minimum of two (2) layers 5/8" exterior grade plywood. Plywood shall be securely fastened in accordance with industry standards as listed. Maintain 1/8" gap between plywood sheets and all surfaces they abut. Joints in the top layer should be offset from the joints on the bottom layer. It is the responsibility of the installer to verify the deflection of the floor structure and sub-floor does not exceed L/360 of the span under combined live or dead loads.

### SITE CONDITIONS

The installation site must be acclimated, with the HVAC system in operation. The floor and room temperature, as well as the underlayment, flooring materials and adhesives, must be maintained at 65–85°F. The relative humidity also shall be below 60% for 48 hours prior to, during and after the installation.

### 6. APPLICATION:

Using the appropriate trowel spread adhesive over subfloor. Allow the adhesive to flash properly and become tacky to the touch. Do not wet set underlayment into the adhesive. Once the adhesive has flashed properly begin installation of underlayment. Unroll underlayment parallel to the wall in the opposite direction you plan to install the flooring tiles or planks. The rubber side should be facing down, against subfloor and cloth side facing up. Roll out next row in the same manner butting foam close to first row. Do not overlap foam pad. Once the entire surface is covered by the underlayment roll with a 35-50/lb roller to ensure there are no air gaps and the adhesive bonds well to the underlayment. Once complete begin installation of mortar and tiles. No wait time required after underlayment installation.

### Finish Surface Installation

Using a 1/2" x 1/2" square notch trowel combined with the flooring manufacturer's instructions install the tiles. Do not install any defective, damaged, or any finish flooring surface not for its intended use. The installation of this product does not eliminate the need for movement joints, including perimeter joints with a tiled surface. Perimeter expansion of 1/4" must be maintained at all times. Consult the TCNA handbook for other movement joint applications. The product is not for use over expansion joints, or structural (out-of-plane) movement cracks. Impervious tile (less than 0.5% absorption) may require a 48-hour cure prior to grouting. The mortar will be sandwiched between two non-absorptive materials and may require additional curing time.

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## 7. Approved Adhesives

- Prostick 42 (PS-42)
- Prostick 42XLT (PS-XLT)
- Prostick 42XLT (PS-XLP)
- Prostick 76 (PS-76)
- Prostick 77 (PS-77)
- ProBond
- PWA 400
- PWA 500
- PWA 600
- PWA 700

## 8. AVAILABILITY

PROFLEX® Products are available nationwide.

To locate PROFLEX® products in your area, please contact:

Phone: 877-577-6353

Website: [www.proflex.us](http://www.proflex.us)

## 9. WARRANTY

For warranty details, visit our website [www.proflex.us](http://www.proflex.us)

## 10. STORAGE

Keep dry and clean

## 11. TECHNICAL SERVICES

Technical assistance

Information is available by calling the Technical Support

Toll-Free: 877-577-6353

Fax: 863-937-9624

Technical and safety literature

To acquire technical and safety literature, please

visit our website [www.proflex.us](http://www.proflex.us)

## 12. FILING SYSTEM

Division 9