

CONTACT US for Technical Information & Project Recommendations

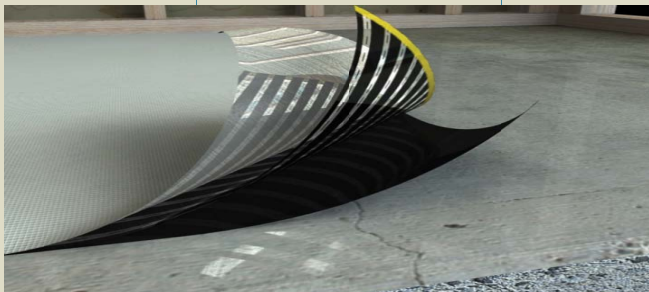
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## NEW PRODUCTS

Flextile is very excited to announce the imminent introduction of a unique and exceptionally versatile Floor Warming System based on our successful Flexilastic 1000 & 2000SC peel & stick membranes. **FLEX-WARM** is designed with a new-age heating element sandwiched between the traditional high-tack asphaltic adhesive layer and tough woven fabric top layer to create an effective and easy way to provide a floor warming system. Aside from the low labor cost to install, **FLEX-WARM** also provides BUILT IN Crack Isolation protection properties similar to that of our Flexilastic 1000 and 2000SC membranes – a feature that is unique to **FLEX-WARM** which eliminates the need to install a separate membrane system for this purpose. Especially with large format tile or stone, the addition of a crack isolation membrane on top of heated floor substrates is generally recommended in order to protect the tile/stone from the inevitable shrinkage and stress cracks that occur in the topping mortars placed over traditional heating systems.



There are no mortars or mechanical fasteners required to install this system - just Prime, Peel, & Stick. **FLEX-WARM** mats will come in pre-fabricated sizes which represent the most commonly used sizes in bathrooms, kitchens, and other areas traditionally requiring in-floor heat, and can also be linked together for full floor coverage or even special ordered in custom shapes & sizes\* For floors requiring full coverage Crack Isolation but only partially heated areas, Flexilastic 1000 CI Membrane can easily be used along side **FLEX-WARM** mats.

*\*limitations will apply*



## FLEX-WARM

Another benefit to the Flex-Warm system is that it will come conveniently packaged in complete kits – whichever size is selected. The mat itself, primer, AND top quality thermostat are all included in every kit, making it simple and efficient to inventory, price, and market.



### OJ MICROLINE ADG 4999 Thermostat

- CSA/UL certified
- Multi-voltage: 120-240 (incl. 208)
- Attractive back-lit display
- Designed for easy operation
- Pre-programmed for quick set-up

Of course the primary benefit of the **FLEX-WARM** system will be that it will carry the Flextile brand – easy to specify and market in conjunction with Flextile's high quality tile installation systems and tile & stone from Olympia as a single source supply for a complete heated flooring system. Flextile will be maintaining inventories of complete **FLEX-WARM** kits at both our Eastern and Western facilities in Toronto and Burnaby, and will also make available additional mats and thermostats on an individual basis for combined applications. All stocking Olympia and Affiliate branches will also be supplied with a marketing rack designed to hold a selection of the kits, and an assembled, fully functional countertop display unit.

In conjunction with our toll manufacturer for **FLEX-WARM**, we are scheduled to begin training sessions at each **branch\*** within the next month or so. The roll-out schedule for **FLEX-WARM** will be coordinated so that the initial training sessions will take place when our marketing literature is already in place, and all **branches\*** have received initial training. Our target date for getting inventory into the branches is end of November, 2015..

*\*some branches may not be included in initial stocking program*

Flextile looks forward to working with Olympia reps in the sales and specification of **FLEX-WARM** – another key addition in our efforts to provide complete installation systems to your clients.

State-of-the-Art, Peel & Stick In-Floor Radiant Heating with Built-In Anti-Fracture Protection



## FLEX-WARM

ENERGY EFFICIENT RADIANT HEAT FLOOR WARMING & CRACK SUPPRESSION

**SAME-DAY INSTALLATION**  
**FOUR EASY STEPS!!!**



Fastest install with fast-drying primer, easy Peel & Stick application  
Tile/Stone can be installed Same Day — no curing time required  
Can be used as Primary Heat Source  
AFM® Anti-Fracture Membrane protects flooring investment by bridging horizontal subfloor cracks up to 3/8" - prevents tile from cracking



**EASY**  
PEEL AND STICK  
INSTALLATION

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## FLEXTILE PROJECT HIGHLIGHT

### The Bow – Calgary, Alberta

Completed in early 2013 by Alberta Marble & Tile, the Bow installation represents a significant portion of the city of Calgary's business and energy sector hub redevelopment in the downtown core. Once again, AMT chose a complete Flextile installation system to perform the challenging installation of exterior granite pavers incorporating an ice-melt system for Calgary's harsh winter climate, and large format granite tiles for the two-story interior work – approximately 200,000 sq. ft. in total. Flextile has worked closely with AMT on many significant commercial projects in Calgary over the years, and the installation systems we've proposed have always met the demand.



For exterior work, Flextile pre-mixed 4:1 Dry Pack modified with 44 Latex Additive as well as our fast-setting FS Screed were used to prepare the base for the installation. Flexilastic 1000 Crack Isolation Membrane & WP980 Waterproof Membrane were both used in various locations prior to the installation of the granite pavers with 58XT, our premium two-component fast-setting latex mortar system, and 1600 RSG fast-setting grout. For the interior work, a combination of 5900 Flex Flo Plus and 4:1 Dry Pack mortar bed with Flexilastic 1000 prepared the surfaces, while the large format granite pavers were installed with our 51/44 two-component latex mortar system and 600 PM sanded grout.



Now going into the third winter season, the Bow installation is another testament to the reliability of Flextile's commercial installation systems, and to our ability to retain the trust of premier commercial contractors such as AMT over the years to deliver quality products and project services.

## TECHNICAL TIPS

### Understanding IIC and STC Sound Control Test Data

There are two types of sound tests performed in a controlled environment recognized by the International Building Code (IBC) for sound vibration that travels from one living area to another: **Impact Insulation Class (IIC)** and **Sound Transmission Class (STC)**. IIC tests the ability to block impact sound by measuring the resistance to transmission of impact noise (foot traffic, etc). STC evaluates the ability of a specific assembly to reduce airborne sounds, such as voices, music, etc. Both tests involve a standardized noise making apparatus in an upper chamber and a sound measuring system in a lower chamber. Decibel (dB) measurements are taken at various specified frequencies in the lower chamber. Those readings are then calculated to create a whole number representation of the test ... the higher the number, the higher the resistance. Ratings of 50 dB or above for both the IIC and STC sound tests will satisfy the minimum requirements of the International Building Code. "Field" tests for impact sound (FIIC) and for airborne sound (FSTC) are also recognized by the International Building Code. These sound tests utilize the same testing methods as IIC and STC but are conducted in an actual building after the floor installation is completed. The IBC suggests ratings of 45 or higher for FIIC and FSTC testing.

Another test that more directly evaluates impact sound of underlayment materials is known as the "Delta" test. This test basically consists of two IIC tests conducted over the same 6" concrete sub-floor. One test is over the bare concrete subfloor and the other is over the concrete sub-floor with floor covering material and underlayment included. The measured IIC values are compared to the reference floor levels defined in the standard and adjusted to provide the IIC the covering would produce on the reference concrete floor. The Delta ( $\Delta$ ) IIC improvement of impact sound insulation is obtained by subtracting 28 (typical IIC value for a bare 6" slab) from the adjusted IIC of the whole assembly. As long as the same floor covering material is used, a series of comparison tests of the sound isolation characteristics of underlayment materials can be done, using the appropriate Delta tests to evaluate among various underlayment materials.

*The most recent independent testing on **Flexilastic 2000SC Sound Control Membrane** indicates a Delta ( $\Delta$ ) of **22 IIC**, one of the highest ratings of all thin, direct-bond sound control membranes designed specifically for hard surfaces. In conjunction with other flooring assembly components such as the tile, etc, **2000SC** can provide up to a total of 55 IIC for a complete flooring assembly – in addition to providing a stable bonding surface and excellent Crack Isolation properties – both important benefits with Large Format Tile & Stone installations*