

## SIPLAST*FLASH*

The purpose of this document is to address an important consideration regarding the installation of Insulperm in lightweight insulating concrete (LWIC) roof systems. This technical bulletin aims to provide guidance on phased installation and the potential for leaving the Insulperm exposed overnight during the installation process.

Insulperm is a high-performance expanded polystyrene insulation material designed for use in roofing applications. When properly installed, it offers excellent thermal insulation, moisture resistance, and durability. However, in LWIC roof installations, certain precautions should be taken to ensure optimal performance.

### **Phased Installation:**

In some cases, it may be necessary to implement a phased installation approach when using Insulperm in lightweight insulating concrete roof decks. Phased installation involves installing the Insulperm board in sections rather than completing the entire installation in one continuous operation. This approach allows for better control over the curing process of the concrete and minimizes the potential for damage or displacement of the Insulperm.

When implementing a phased installation, it is crucial to carefully plan and coordinate the work to ensure the integrity of the insulation system. The following guidelines should be followed:

1. Determine the size and number of sections for phased installation based on project requirements, roof design, and site conditions.
2. Clearly mark and label each section to ensure accurate and consistent installation.

### **Exposure of Insulperm Overnight:**

Leaving the Insulperm board exposed overnight, thus allowing the slurry coat to cure and lock in the board, allows for a more reliable topping coat installation and prevents displacement of board during the top pour application.

It is important when phasing the installation of the LWIC weather conditions are taken into consideration.

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### **Phased LWIC Exposed to a Rain Event:**

LWIC is an extremely durable material and generally, exposure to rain within a few hours of installing cementitious material has no negative impact on the performance of the system. Efforts should be made before continuing installation to move excess moisture towards drains and or gutters.

Should you have any questions or require further assistance, please do not hesitate to contact our technical support team.

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14911 Quorum Drive, Suite 600  
Dallas, Texas 75254-1491

201 Bewicke Avenue, Suite 208  
North Vancouver, BC, Canada V7M 3M7

Customer Service in North America  
1.800.922.8800 [www.siplast.com](http://www.siplast.com)