

# Technical Letter

## Majvest® 500 SA: Acceptable Moisture Content Levels within a Substrate prior to Application

**Updated on:** May 21, 2020

### Introduction

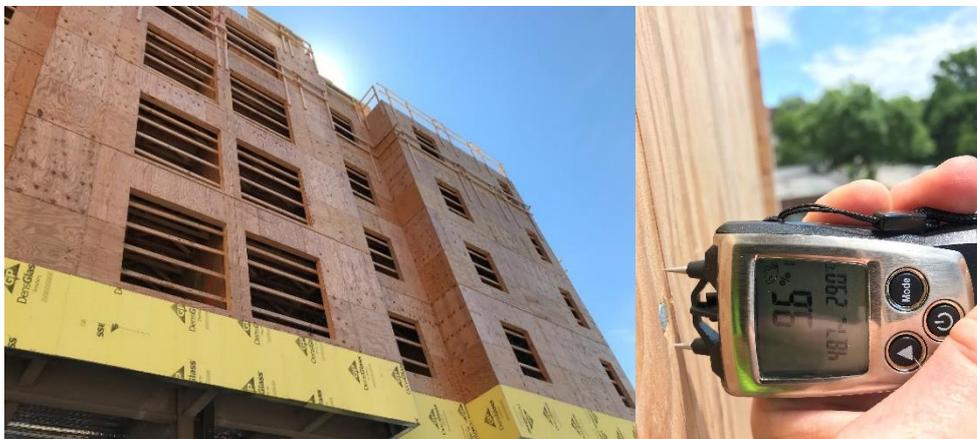
This technical letter is intended to present recommendations to installers and applicators about acceptable moisture content levels within a substrate prior to application of the self-adhered membrane SIGA Majvest 500 SA. Whether the substrate is wood, concrete, CMU, masonry units, or metal, it is important that the amount of moisture present is measured and adjusted to ensure proper long-time performance and adhesive bond of the membrane.

### Substrate Preparation

Your substrate should be dry, clean, smooth, firm, free of dust, mud, loose mortar, wires, fins, metal projections or any other substances that might prevent placement and bonding of a continuous film. Remove sharp edges from timber and steel whenever possible. If the substrate is damp, allow it to dry.

### Acceptable Moisture Content

The moisture content of a substrate is usually expressed as the percentage of the weight of water in the material relative to the weight of the dry material. Various types of moisture meters exist to take moisture content readings of a substrate.



Moisture content measurement of plywood sheathing prior to application of Majvest 500 SA

Substrates exceeding the following levels of moisture content at the time of installation require additional drying prior to installation of Majvest 500 SA:

- Wood and wood-based sheathing products, like plywood or OSB, should have a moisture content of 19 percent or less.
- Exterior gypsum board products should have a moisture content of 1 percent or less.
- Concrete and CMU should have a moisture content of 12 percent or less. Concrete should always be cured a minimum of 28 days.

Design professionals and substrate manufacturers should always be consulted on their latest recommendations regarding acceptable moisture contents in a substrate. For further information, please contact your local SIGA application advisor if you have additional substrate questions.

### **Technical Information**

Technical information, recommendations and other statements contained within this document are based upon tests or experience that SIGA believes are reliable, but the accuracy or completeness of such information is not guaranteed. SIGA strongly recommends on-site adhesion testing prior to final application. If adhesion to the tested substrate is marginal, a primer should be used to achieve a proper bond.

### **Product Use**

Many factors beyond SIGA's control and uniquely within the user's knowledge and control can affect the use and performance of a SIGA product in an application. Given the variety of factors that can affect the use and performance of a SIGA product, the user is solely responsible for evaluating the SIGA product and determining whether it is fit for a specific purpose and suitable for the user's method of application. Please refer to the Majvest 500 SA System Guidelines for further information about the use of the intended product.

### **Warranty**

SIGA products carry a 10-year limited warranty. Please refer to our website at <https://siga.swiss> for the most up-to-date technical documentation.

### **Disclaimer**

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