



SiOO:X

WOOD PROTECTION

Application protocol for SiOOX over Burnblock treated material

APPLICATION PROTOCOL FOR SiOO:X OVER BURNBLOCK TREATED MATERIAL

The SiOO:X system is based on two coats of SiOO:X Wood Protection - For Fire Protected wood with Burnblock and one coat of SiOO:X Surface Protection - For Fire protected wood with Burnblock. This also applies to end grains and cuts.

BEFORE APPLICATION

- Check moisture content of timber with Pinless EMF: 12-23% . (Thermowood 7-11%)
- Timber and liquids temperature: 15 °C to 30°C. The preferred temperature is between 16 - 22 °C
- The wood must be micro-structured/grooved surface or fine sawn.
- Adjust your process line to achieve correct application quantity.
- Prepare control samples of timber and record the details: length, size, profile, surface texture, weight.
Record the name and the batch no. of the paint.

Control samples are used to measure liquid uptake after each coat.

APPLICATION

Mark timber samples that will be used to measure the liquid uptake before and after each coat.

STEP 1 – SiOO:X Wood Protection - For Fire Protected wood with Burnblock

Coat 1: Weigh the control samples (timber) before and immediately after treatment of SiOO:X Wood Protection to evaluate the uptake of Wood Protection.

Let the timber dry for at least two hours before the application of the second coat.

Coat 2: Weigh control samples (timber) before the second layer of Wood Protection. Apply SiOO:X Wood Protection and weigh immediately after to evaluate the uptake of second layer of Wood Protection.

After the second coat of Wood Protection evaluate if the uptake of SiOO:X Wood Protection is within the desired amount in the certification:

Softwood Threshold Wood Protection 225g/m² (+/-10%)

Thermowood Threshold Wood Protection 270g/m² (+/-10%)

STEP 2 – Surface Protection - For Fire protected wood with Burnblock

Coat 3: After the second coat of Wood Protection has dried apply Surface Protection which is the last coat of the treatment.

Weigh the control samples before and after treatment and evaluate if the uptake of SiOO:X Surface Protection is within the desired amount in the certification:

Softwood Threshold Surface Protection 115g/m² (+/-10%)

Thermowood Threshold Surface Protection 115g/m² (+/-10%)

Date of the application:

Name of the company:

Name of the customer:

Contact details:

Name of the project:

Moisture content of the wood:

Temperature:

Batch no. of the SiOO:X Wood Protection:

Batch no. of the SiOO:X Surface Protection:

CONTROL SAMPLE	TIMBER SAMPLE 1	TIMBER SAMPLE 2	TIMBER SAMPLE 3	TIMBER SAMPLE 4	TIMBER SAMPLE 5
WOOD					
WOOD PROFILE					
SURFACE TEXTURE					
LENGTH					
DIMENSIONS					
COAT 1 SIOO:X WOOD PROTECTION					
BEFORE APPLICATION WEIGHT					
AFTER APPLICATION, WET WEIGHT					
COAT 2 SIOO:X WOOD PROTECTION					
BEFORE APPLICATION, WEIGHT					
AFTER APPLICATION, WET WEIGHT					
COAT 3 SIOO:X SURFACE PROTECTION					
BEFORE APPLICATION, WEIGHT					
AFTER APPLICATION, WET WEIGHT					
TOTAL UPTAKE SIOO:X WOOD PROTECTION					
TOTAL UPTAKE SIOO:X SURFACE PROTECTION					