

**TO: Sales**

**FROM: Dr. Ross Savage**

**SUBJECT: STS Construction Board 12mm**

**DATE: 30<sup>th</sup> October 2018**

Re: STS Construction Board 12mm

Following a series of laboratory tests the following board is considered approved as a carrier for our render.

Supplier	Board Name	Comment
STS	Construction Board 12mm	Approved as a substrate with K Rend HP12 & HPX Base

#### Board Requirements - Laboratory Tests

The basic requirements for a board to be considered as a suitable carrier for our render are good dimensional stability and good adhesive strength.

##### 1 – Dimensional Stability

The board is air dried @ 60°C for 8 hours and allowed to cool overnight, measured, immersed in water at room temperature for 24 hours, removed, surface dried and re-measured.

Maximum dimensional change in any direction: 0.2%

##### 2 – Adhesive Strength

Basecoat applied to the board and allowed to cure for 28 days.

Minimum pull-off strength: 0.2N/mm<sup>2</sup>

The onus is on the board supplier to determine if their board is a suitable carrier for our render.

#### System Requirements

- 1 – The background should be stable.
- 2 – The board should be correctly fixed.
- 3 – The overall system is designed to accommodate building movement.

#### Site Practice

Please note that the above test methods are for laboratory testing only; the methods of use of K Rend Basecoats on site are covered by the appropriate specifications.

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