

TO: Sales Team

FROM: Dr Andrew McIntosh

SUBJECT: Hardie Backer External / 12 mm

DATE: 25th September 2024

Re: Hardie Backer 12 mm

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

Supplier	System Name	Comments
James Hardie	Hardie® Backer External	Approved as a substrate using K Rend HP12 Base, HP14 Base or 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, 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: 0.03%

2. Adhesive Strength

HP12 Base, HP14 Base and HPX Base were applied to the board and allowed to cure for 28 days.

Minimum individual pull-off strength: 0.29 N/mm²
Bond failure mode: At interface between render and substrate

The onus remains on the board supplier to determine if their board is a suitable carrier for render in external applications.

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.

Dr Andrew McIntosh
Head of R&D

Please Note:

If there is a requirement for a specific warranty for any of our approved boards, you must consult with the board manufacturer to determine what warranties are applicable to their board. K Rend do not accept any responsibility for warranties issued under a board manufacturer. Any question regarding the presence of magnesium chloride within a magnesium-based board or the potential of a given board to cause corrosion to the building sub-structure lies with the specifier and the supplier of the board.

Issue date – September 2024 (When using this document, it is recommended that K Rend are contacted to ensure that this is the most up to date version.)

In line with our policy of continuous improvement, we reserve the right to change technical data without notice