

Lightweight,
Enduring and
Attractive Roof Systems

Over the Top of Concrete

Dramatically improves the appearance of concrete roofs



The AHI Roofing 'over concrete' solution

Natural stone coated tiles that dramatically improve the appearance and weatherproofing of high rise buildings with concrete roofs.



AHI Roofing 'over concrete' solution

■ Concrete is widely used around the world for roofing construction - as a flat or pitched concrete slab, or as poured concrete. It is generally used due to the expense or lack of timber, its low cost, and the low level of skilled labour required for installation. The disadvantages of concrete include poor weather proofing, unattractive appearance and inferior thermal insulation. These problems can be overcome with the versatile AHI Roofing system.



Dramatically improves roofing appearance

■ Many countries with rapidly expanding populations are finding their citizens demanding better housing. While this usually means 'high rise apartments' there is no reason these buildings should resemble office blocks.

AHI Roofing provides the opportunity for these apartments to use the beautiful natural stone finish often used on elegant bungalows in picturesque settings. The utility of the concrete is retained, but its unattractive appearance is covered with a roofing system that offers a choice of colours, requires no maintenance and has minimum discolouration over the life of the building.

Cost Efficient

■ Concrete used as a structural base for a roof normally has to be plastered over by contractors before waterproofing agents can be applied. This is slow work and the water proofing materials are expensive.

An AHI Roofing roof eliminates the need for levelling and waterproofing. By using a counter battenning system, the unevenness of the concrete slab is corrected using a unique interlocking system. This interlocking creates a proven water-tight cladding.

(Ref: Low Speed Dynamic Rain Penetration Tests, Experimental Building Station, Department of Housing and Construction, Australia).

AHI Roofing tiles have an additional cost-bonus because they weigh 85% less than the average clay tile. This means less delivery cost, ease of lifting to roof level, and less weight added to the building's roof.

AHI Roofing solutions are proven in the harshest weather conditions. AHI Roofing tiles will not crack, fade, curl or loosen during the average lifetime of the building. With a 25 Year Manufacturers' Limited Warranty this multiplies to a significant 'maintenance free' cost benefit.

“...will not crack, fade, curl or loosen during the average lifetime of the building.”



Laying of counter battens, KOREA

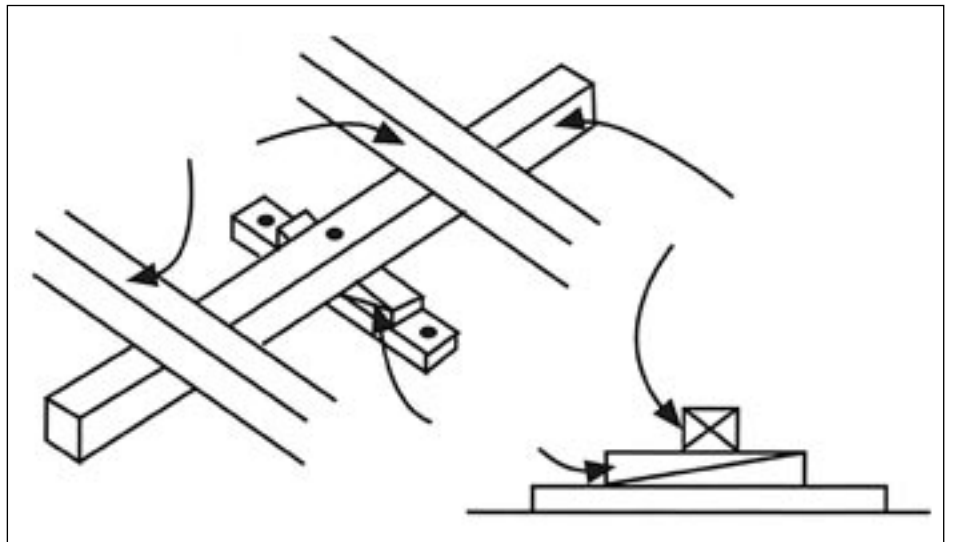


Fastening in KOREA

Installation in progress, Hu Tan Park, Dalian, CHINA



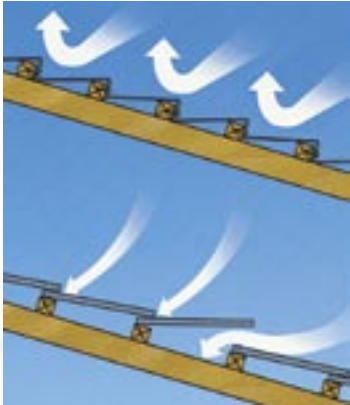
Using wooden packers



Safety

■ As more multiple-unit Apartment Buildings use pitched concrete roofs, the danger of cladding falling off during high winds increases. AHI Roofing tiles are installed using horizontal fastening which gives them one of the highest wind resistance ratings in North America. (*Hurricane Test by Construction Research Laboratory Inc. Miami*)

BELOW: Horizontal fastenings for extra strength and safety in high wind locations



BELOW: Finished Boondang Apartments, KOREA



ABOVE: Installation in progress, using counter batten system, Boondang Apartments, KOREA



AHI ROOFING SYSTEMS. THE SIMPLE SOLUTION.

AHI Roofing is the world leader in the development, manufacture and marketing of stone-coated steel roofing materials which provide safety, security and peace of mind in the most extreme environments and weather conditions.

ENDURING ROOF SYSTEMS. Crafted in nature's image. Manufactured to the highest international standards.

AHI Roofing is registered to ISO 9001:2000 which recognises the quality management systems standards now accepted in more than one hundred and fifty countries. This certification recognises the commitment of AHI Roofing to quality, productivity, cost competitiveness and customer satisfaction.

TESTED AND PROVEN.

AHI Roofing systems have been tested and proven under a wide range of extreme natural conditions. Copies of test reports and appraisals are available from your AHI Roofing distributor.

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