

Rain-Screen Benefits: Advanced Rain-Screen Systems Using Fiber Cement:

- Reduce the occurrence of mold and mildew through natural ventilation principals
- Cut building maintenance Life-Cycle Costs by significantly reducing the need for grouts and sealants.
- Offer a variety of benefits to LEED , NAHB , NARI & Sustainable Green Building Designs.
- Improve insulation values by allowing the placement of insulation outside the air vapor barrier and inside the cavity space.
- Are suitable for both New And Renovation Construction
- Offer a wall designs with Lower Life Cycle Costs and Longer Life Expectancies.
- Reduce the buildings humidity by optimizing the insulations design.

RAIN-SCREEN SYSTEMS ARE MOISTURE MANAGEMENT SYSTEMS WHICH INCORPORATE

1. FIBER CEMENT CLADDING
2. AIR CAVITIES
3. OPTIONAL EXTERIOR INSULATION
4. DRAINAGE PLANES
5. AIR AND WATER RESISTANT MEMBRANES

RAIN-SCREENS ARE THE MOST EFFECTIVE METHOD OF RAIN PENETRATION CONTROL!!

RAIN-SCREENS CONTROL:

- THE FLOW OF THE RAIN BY PROVIDING AN EXTERIOR SCREEN AND INTERIOR PATH FOR THE NATURAL FLOW OF PENETRATING WATER.
- RAINSCREENS CONTROL THE CAPILLARY ACTION OF THE RAIN BY CONTROLLING THE WIND PRESSURE OF THE BUILDING.
- RAIN-SCREENS FIBER CEMENT CLADDING DETERS THE RAIN-DROPS SURFACE MOMENTUM.
- RAIN-SCREENS AIRSPACE DECOUPLES THE FIBER CEMENT CLADDING FROM THE SUPPORT WALL WHICH REDUCES THE SPLASH AND CAPILARY MOISTURE TRANSFER.
- RAINSCREENS USE OF OPEN JOINTS ALLOW THE WATER TO USE THE EARTH'S GRAVITY TO DRAIN THROUGH OPTIMALLY SIZED WEEP HOLES.
- RAINSCREENS ALLOW AND ANY MOISTURE LEFT WITHIN THE CAVITY TO BE EVAPORATED THROUGH THE CONVECTIVE AIR MOVEMENT / "THE CHIMNEY FLUE EFFECT".