

## **Environmental Conditions Proposal**

Backerboard Subcommittee

May 28, 2008

### Environment Classifications:

**Res1** – Residential Dry

**Res2** – Residential Limited Water Exposure

**Res3** – Residential Wet

**Res4** – Residential High Humidity, Heavy Moisture Exposure

**Res5** – Residential High Temperature ( $\geq 125^{\circ}\text{F}$ )\*

**Res6** – Residential Exterior

**Com1** – Commercial Dry

**Com2** – Commercial Limited Water Exposure

**Com3** – Commercial Wet

**Com4** – Commercial High Humidity, Heavy Moisture Exposure

**Com5** – Commercial High Temperature ( $\geq 125^{\circ}\text{F}$ )\*

**Com6** – Commercial Exterior

### Environment Definitions:

**Res1 – Residential Dry** – Includes areas adjacent to R2 Residential Limited Water Exposure and/or tile surfaces that will not be exposed to moisture or liquid.

Examples: Residential interior wall, floor and ceiling/soffit applications and decorative areas

**Res2 – Residential Limited Water Exposure** – Includes areas adjacent to R3 Residential Wet and/or tile surfaces that are subjected to moisture or liquids but do not become soaked or saturated due to the system design or time exposure.

Examples: Residential bathroom floors, mudroom floor, countertops, backsplash, and laundry room

**Res3 – Residential Wet** – Includes areas adjacent to R4 Residential Continuous Water Exposure and/or tile surfaces that are soaked, saturated, or regularly and frequently subjected to moisture or liquids.

Examples: Residential shower receptor wall and tub enclosures

**Res4 – Residential High Humidity, Heavy Moisture Exposure** – Tile surfaces that are subject to continuous high humidity or heavy moisture exposure such as walls and ceilings in enclosed areas.

Examples: Steam showers, steam rooms, enclosed pool area walls

**Res5 – Residential High Temperature ( $\geq 125^{\circ}\text{F}$ )** – Tile surfaces that are frequently subjected to high temperature water, equal to or in excess of  $125^{\circ}\text{F}$

Examples: Residential saunas, furnace or boiler areas

**Res6 – Residential Exterior** – Tile surfaces exposed to exterior conditions including moisture and freeze/thaw cycles.

Examples: Exterior walls, soffits, balconies

**Com1 – Commercial Dry** – Includes areas adjacent to C2 Commercial Limited Water Exposure and/or tile surfaces that will not be exposed to moisture or liquid.

Examples: Commercial interior wall, floor and ceiling/soffit applications, and decorative areas

**Com2 – Commercial Limited Water Exposure** – Includes areas adjacent to C3 Commercial Wet and C5 Commercial High Temperature and/or tile surfaces that are subjected to moisture or liquids but do not become soaked or saturated due to the system design or time exposure.

Examples: Dairies, breweries, kitchen walls, locker rooms

**Com3 – Commercial Wet** – Includes areas adjacent to C4 Commercial Continuous Water Exposure and/or tile surfaces that are soaked, saturated, or regularly and frequently subjected to moisture or liquids.

Examples: Commercial gang showers, tub enclosures, laundries, showers

**Com4 – Commercial High Humidity, Heavy Moisture Exposure** – Tile surfaces that are subject to continuous high humidity or heavy moisture exposure such as walls and ceilings in enclosed areas.

Examples: Steam showers, steam rooms, enclosed pool areas, natatoriums

**Com5 – Commercial High Temperature ( $\geq 125^{\circ}\text{F}$ )** – Tile surfaces that are frequently subjected to high temperature water, equal to or in excess of  $125^{\circ}\text{F}$

Examples: Commercial saunas, furnace or boiler areas

**Com6 – Commercial Exterior** – Tile surfaces exposed to exterior conditions including moisture and freeze/thaw cycles.

Examples: Exterior walls

Note: Examples are not meant to be all inclusive. Consult with manufacturer's specifications.