



Painting Minerit HD facade boards on site

Minerit Heavy Duty (HD) fiber cement boards are very suitable for facades. They consist of Portland cement, mineral fillers, plastic and cellulose fibers. Minerit HD is an air cured product and by nature alkalic when fresh.

Paints

The paints must be alkali resistant; because of the surface of fresh Minerit HD is alkalic due to the free lime released by the hydration reactions of Portland cement.

Water based paints are suitable, especially **100% acrylic** type.

When you paint the boards on site, you may apply the paint on the exposed face side only, provided that all the following conditions apply:

- The finished paint layer allows water vapor and carbon dioxide to travel through it. This is absolutely necessary, because the aging reactions of the board must proceed at the same speed on both sides of the board. Otherwise warping will occur.
- Every paint type and application system must be checked in advance for its permeability. The paint layer must not decrease the water vapor permeability of the board more than 40%.
- It is also advisable to check the adhesion of the paint to the surface of the board.

If the above parameters (water vapor and carbon dioxide permeability) cannot be determined and verified, then all six surfaces of the boards must be coated, painted and/or sealed in the same manner, with the same application of materials. This results in a “balanced” board with all six sides (faces and edges) in equilibrium.

Other general rules in painting:

- The surface must be clean (beware of greasy gloves).
- The surface must be dry.
- Follow the temperature range recommendations of the paint producer; avoid temperatures below +5 degrees C or direct hot sunshine.

Testing paints

The painted product has adequate esthetical value and it is durable enough in the environment it is going to be installed.

- Make sure that the color and shade of the top layer paint stands.
- Make sure that the gloss of the paint either remains unchanged or ages elegantly.
- Test carefully the adhesion of the primer paint to the board surface and also the top layer adhesion to the primer paint.

AFCC will not accept responsibility of the paints or painting work. It is 100% up to the painting company to ensure that the paints, application methods and the painting process are suitable for Minerit boards and the paints selected.