



New Alternative Flexible Cement Boards (NAFC Boards) for Children & Elder Care Building Products

INVENTION DESCRIPTION

NAFC boards are a new flexible building materials for installing curved insulated walls and ceilings, child & elder care products, decorative walls etc. Its mixture consists of abundant natural latex in Thailand, fabric fibers from waste from recycling textiles factories and cement. The special features of the NAFC board are greater bendability, durable, low thermal conductivity, easy to install curved wall and ceiling, good absorption impaction, good sound absorption, affordable cost.

Asst.Prof.Dr.Vachira Sangrutsamee



PRODUCT FEATURE



Greater Bendability and Durable



High Bending Strength



Low Thermal Conductivity



Easy to Curved Wall and Ceiling



Good Sound Absorption



Good Asorption Impaction



Affordable Cost



Fast and Easy to Cut



Environmentally Friendly



Many Patterns and Colors



Flexible Boards



Insulation Boards



Curved Wall and Ceiling Boards



Flexible Boards

INNOVATION

- Using new aggregates from natural latex, fabric fiber from waste of scrap cloths recycling factories, water and surfactants to mix with cement and mixture ratios
- Design of new production process for easier forming of molds.
- Development of combining latex (Acidity) with cement (Alkalinity) with the special surfactant and blowing agent for easier mixing.

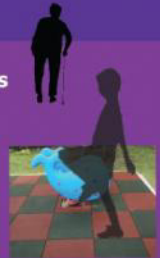
APPLICATIONS

Flexible Boards

Children & Elder Care Products



Indoor Floor Surface and Mats
Playground/Boxing Camp/
Rehabilitation Center



Outdoor Floor Surfaces and Blocks
Playground/Jocking Track/
Roof Top/Park

Decorative 3D Wall Panels

Reduce injuries from Panel Design with Sharp Edges



Decorative Wall Tiles



3D Wall Panels

PATENT STATUS : 1601003135 (Pending)

INVENTOR INFORMATION

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