

APPLICATION OF NEG ARG FIBRE

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NEG ARG Fibre, manufactured by Nippon Electric Glass Co., Ltd., is used throughout the world as a reinforcement for cement composites, including asbestos replacement products.

The 'Green' Applications of the GRC Panel <TLC Panel>*

Areas with plants, trees and other greenery are an essential and desired component of our daily living and working environs. Such areas not only provide us with the refreshing beauty of plant life, but also offer complementary

aesthetics to the landscape, buildings and large-scale structures. The TLC Panel makes this possible. The product has been developed to create plant areas for rooftops or artificial grounds.



* The TLC Panel is a brand name of the GRC panel used for planters and is manufactured by Toshin Corporation using their own specialized molding techniques and NEG ARG fibre.

"Thinking Green" with GRC Panel <TLC Panel>

The natural environment which provides clean air and ideal habitats for all living creatures is slowly disappearing. Global environmental conservation is an enormous task that we are facing and we must meet the challenge. In order to achieve pleasant and comfortable living, we must improve the amenities in the urban environments where we live and work. "Thinking green" has become a key element in urban planning and will resolve many environmental concerns. Today our techniques and materials make it very simple to create plant areas on rooftops and artificial grounds. Plant areas added to our surroundings enhance the environment in places short of plant life and allow us to feel the beauty of the natural environment. This is an essential part of enjoying and appreciating life while promoting a 'greener' environment.

1. The TLC Panel is light in weight which enables easy transport and construction.
2. The dry process shortens the overall completion time. Construction can take place even when it rains.
3. Over time, the surface texture of GRC panel will gradually improve and become more natural in tint and feel.
4. The natural look of the panel enables easy blending with various landscapes, existing walls, floors and structures.
5. A planting space can be designed with flexibility using right-angled, inside and outside corner panels.

Through the creation of plant environments, we emphasize the importance of living closely with plant life while contributing to the improvement of the urban environment.

◆ Variations of the TLC Panel

Sandstone (Plain)



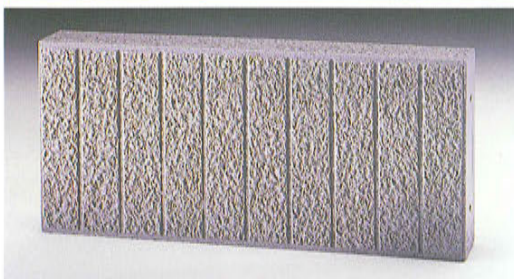
Indian Sandstone (Beige)



Stone Wall



Striped Granite



Oak



Applications

TLC Panels are used on the rooftops and artificial grounds of office buildings, department stores and apartment complexes.



Roof garden of an office building



Rooftop restaurant



Patio of an apartment complex



Garden of a welfare facility



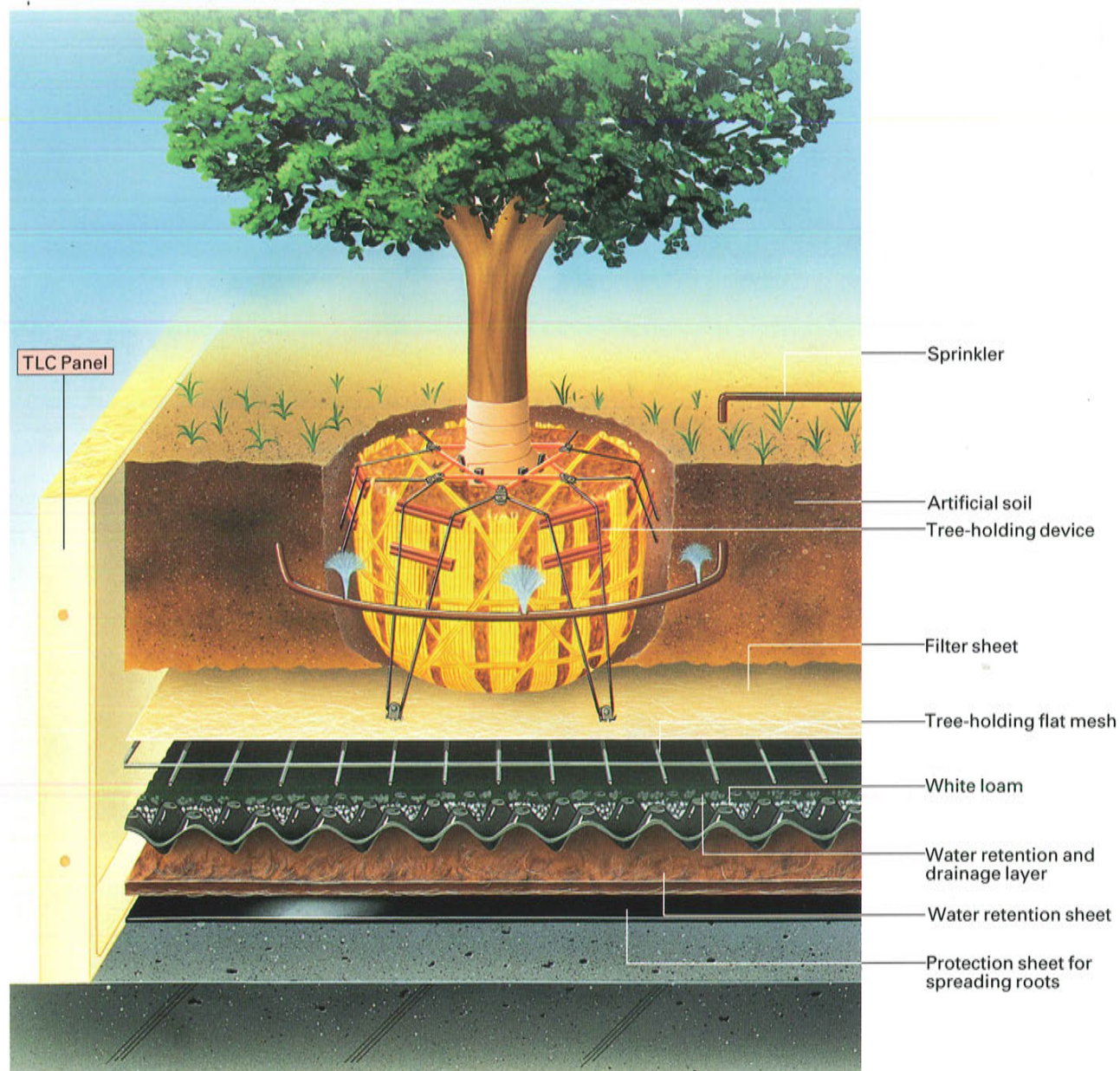
Garden of a pedestrian deck

Construction Case

Planting space can be designed flexibly in shape and form using the various types of the TLC Panel, which are very light in weight enabling easy transport and construction. Creating spaces for

large trees is made possible by combining artificial soil, tree-holding devices, water retention and drainage layers. Unlike the wet process, the completion time using the dry process is much

shorter. The lightweight load makes the structural costs of a building much lower in comparison and consequently, lowers the overall building costs.



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