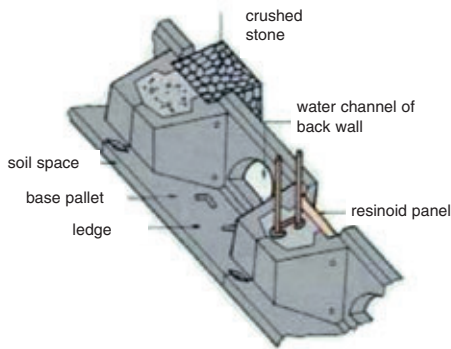


Toyota Kohki Co., Ltd., Tokio, 183-0035 Japan

# Green-Retaining wall

The society faces many problems such as air pollution, destruction of the ozone layer, global warming caused by the use of the fossil fuel, and rising crime due to the urban congestion. To help these problems tree-planting projects by using the Green-Retaining wall were started about 30 years ago in Japan.



To unify the segmented blocks, concrete is poured in the spaces between the blocks next to each other after laying

In Japan, where plains occupy only 25% of its land mass, many retaining walls are needed especially in the housing land development areas and road construction sites. Accordingly, the Green-Retaining wall was developed for environmentally friendly and comfortable living spaces. In addition green is considered as a color which has an effect on making people feel at ease and healthy.

The Green-Retaining wall reported in this issue is developed by Nippon Ryokusei Co., Ltd. and is constructed throughout Japan. In 1993, this became a government-sanctioned concrete product in recognition of over 1 million square meters of their achievement.

The Green-Retaining wall is green landscape concrete block that is widely used in road

side, river side, housing land development areas and as prevention for cliff landslide occurring in the process of civil engineering and building construction.

The Green-Retaining wall is a product used for creating green landscape by planting trees, flowers, or grasses. Compared to the existing traditional retaining walls, the Green-Retaining wall has a superior structure strength to endure storm rainfall by typhoons and earthquakes, regardless of types of soil and soil pressure. To unify the segmented blocks, concrete is poured in the spaces between the blocks next to each other after laying. This enables the Green-Retaining wall to stack or pile to over 30 meters high.

As a hollow concrete block, Green-Retaining wall is not only well drained after heavy



Mold for Green-Retaining wall elements



Green-Retaining elements at the stockyard



Green-Retaining wall under construction



The Green-Retaining wall is green landscape concrete block ...



... that is widely used in road side, river side, housing land development areas

rainfall, but also has the ability of water retention. That is, this product does not require irrigation or watering plants even in drought conditions.

Some local governments in Japan have appointed the Green-Retaining wall as an environmentally friendly concrete product and it can be found throughout Japan.

Since the quality of the form for precast concrete directly leads to the quality of the finished products and productivity the precision of the form is crucial. Toyota Kohki CO., Ltd got engaged in this product from the start and made a great effort to better the product and its design. Precast concrete form manufacturers play an important role for product development.

Toyota Kohki Co., Ltd. participated in the bauma 2010 show and attracted many visitors. They will also exhibit at the bauma China 2010 show, held in Shanghai in November.

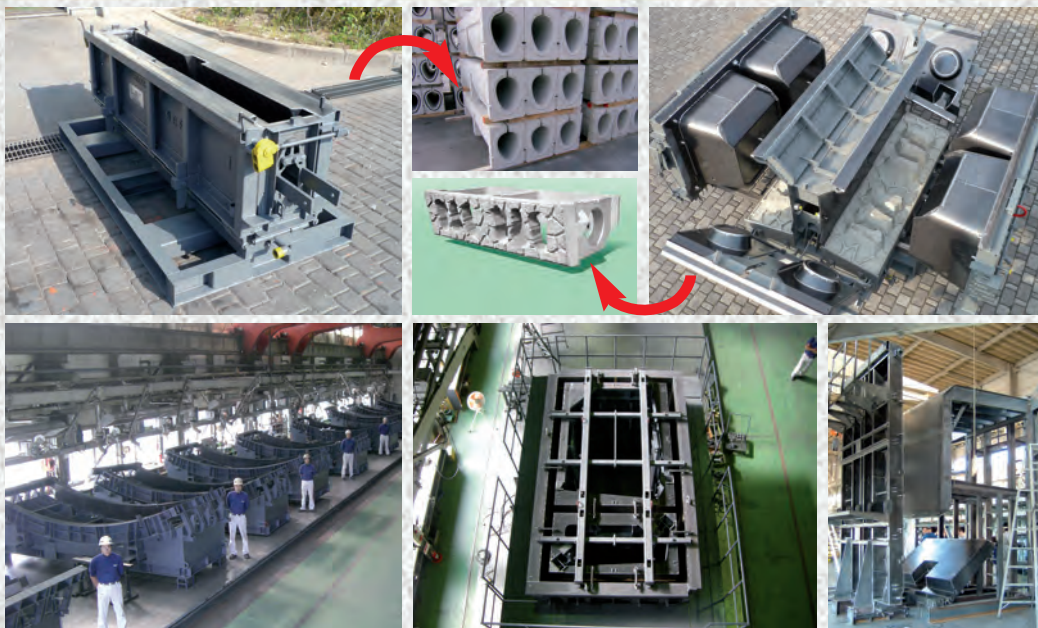
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