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Landscape precast concrete products

In Japan, precast concrete products have developed in unique ways and most of them have highly functional. Since concrete products are generally used for public construction, the landscape is one of the most important factors to be considered. Recently, it is required gradually for concrete products to possess both high functionality and beautiful landscape which blend with the surrounding environment. The design of concrete products is an integral part for urbanization and giving a good impression of cities such as the concrete products with staining and texturing surfaces used around parks, station areas, etc. In this issue, some products specialized for landscape will be introduced.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Designed concrete slab as shown in Fig.1 is a representative example of landscaping products especially used as paving roads. It gives more fantastic impression and makes more comfortable comparing with asphalt roads. There are several of design and methods for making this kind of products such as staining, washing out, shot

blasting, and cobblestone sheet. Fig.2 is an example of buried Egg-shaped drainage. The line shown on the middle of road is a slit for collecting rain water. It is so neat that it almost cannot be realized there are drainages underground. The colorful paving blocks on roadside give more impressive image to the town.

Fig.3 and 4 show the precast Public Lavatory. Since the window parts and other detailed design are made beforehand at the factory, it realizes not only the short construction period but also quality is guaranteed.



NFP-1536 FULL AUTOMATIC CONCRETE BLOCK MACHINE



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Fig. 5



Fig. 7



Fig. 6



Fig. 8

Stairs with stone pattern is shown in Fig. 5. The imitation stone looks like real one but, they are made by wet cast concrete. Stairs are used everywhere such as urban area and parks. Since stairs are usually dull for its appearance and uniformed design, it is quite effective to use designed steps which changes the monotonous appearance. It comes expensive by using real stone steps but, it can keep almost the same landscape by using designed precast concrete in lower cost.

Fig.6 shows the wet cast stone blocks made by concrete. Since it is difficult to gather the same sizes of the real stone, it requires skilled labor for stacking them beautifully. However, the authentic-looking precast stone can be constructed easily with its regular pattern which fit in surrounding environment.

Fig.7 shows the concrete revetment blocks called "Kago Box". The revetment block has the function of vegetation and aquatic organism's protection. Of course this aesthetic and environment-conscious product has superior performance in flood control and installation. Fig.8 shows the mould for the revetment blocks. The mould is with high quality, high productivity and high durability.

Concrete products with designed surface are usually required these years for both civil engineering and construction. For making the concrete products with designed surfaces, the mould with designed panel will be needed. They can be performed by polyurethane

resin, aluminum or designed steel plate and usually they are exchangeable for different design.

Toyota Forms signed an agreement for exclusive agency with German company Reckli GmbH, a leading company in the design and manufacture of elastic formliners last year. Toyota Forms is working hardly to promote the textured concrete products for Japanese market together with Reckli.

FURTHER INFORMATION



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