Plaspool ~ Tank for Rainwater Utilization ~

Construction Method
① Excavating
② Setting of Plaspool
③ Constructing of Rainwater Conveyance System
④ Complete View

Rainwater Utilization
Car Washing
Outdoor Cleaning
Flushing Toilet
Watering to Plants

Product’s Information of CHICHIBU CHEMICAL CO., LTD.

～ Rainwater Storage and Infiltration Facility ～
New Trench-kun
New Pla-kun

～ Tank for Rainwater Utilization ～
Plaspool
New Trench-kun  ~ Infiltration Trench made of Plastic ~

Material  
Polypropylene Plastic

Weight  
6kg / 1 block

Void Ratio  
Over 95%

Allowable Compressive Stress  
Vertical Strength 89kN/m²  
Level Strength 57kN/m²

Permissible min and max depth of soil to cover

<table>
<thead>
<tr>
<th>Kind of Load</th>
<th>Minimum Depth (m)</th>
<th>Max Depth (m) of Bottom</th>
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<tbody>
<tr>
<td>Parking</td>
<td>T-25</td>
<td>0.5</td>
</tr>
<tr>
<td>Others</td>
<td>T-14</td>
<td>0.3</td>
</tr>
<tr>
<td></td>
<td>T-20</td>
<td>0.4</td>
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| Parking      | T-25             | 0.5                     |
| Others       | T-20             | 0.2                     |
|              | T-25             | 0.3                     |
| Maxim Depth (m) | 3.35             | 3.99                    |

Selling Point

Item | Selling Point
---|---
Economy | The Void Ratio is over 95%, → The Excavation Volume and the Surplus Soil is less.
Workability | The Weight is 5.6kg / 1 block, → The Construction with only human power can be attained.
Earthquake Proof | The Structure corresponds to a level 2 earthquake motion.
Maintenance | The Especial Cleanup is possible.
Other | The Gravel and the Soil are unnecessary.

Construction Example in Japan and Indonesia

New Pla-kun  ~Void Storage and Infiltration Facility made of Plastic~

Material  
Polypropylene Plastic

Weight  
3kg / 1 block

Void Ratio  
Over 95%

Allowable Compressive Stress  
Vertical Strength 142.4kN/m²  
Level Strength 97.1kN/m²

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Selling Point

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Economy | Workability is better than the others, → Short-term construction can be attained and the construction cost can be held down.
Workability | The Weight is 3.0kg / 1 block, → The Construction with only human power can be attained.
Earthquake Proof | The Structure corresponds to a level 2 earthquake motion.
Transportability | New Pla-kun can be stacked compactly, → Many Materials can be carried at one time.

Construction Example in Japan

After Urbanization

Increase in storm runoff, Reduction in infiltration.

Solution using Chichibu Chemical

By temporarily storing rainwater in the ground, the inundation disaster is prevented.

↓ Reduce the risk of urban flood damage by spreading PRISF in wide area.

Pladam-kun  ~Void Storage and Infiltration Facility made of Plastic~

Material  
Polypropylene Plastic

Weight  
7kg / 1 block

Void Ratio  
Over 94%

Permissible min and max depth of soil to cover

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Construction Example in Japan and Indonesia