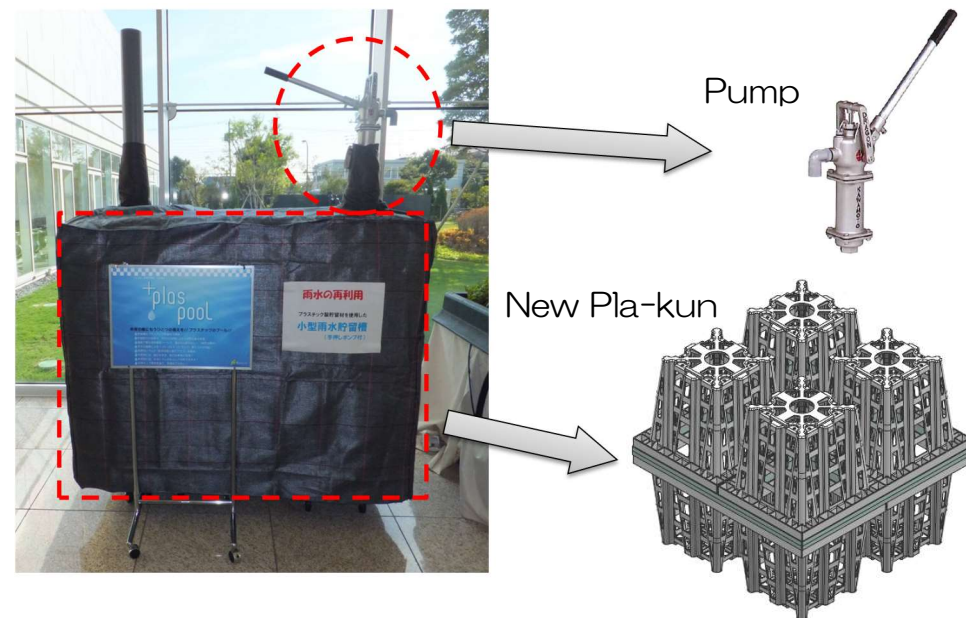


Plaspool ~ Tank for Rainwater Utilization ~



◆Construction Method



◆Rainwater Utilization



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

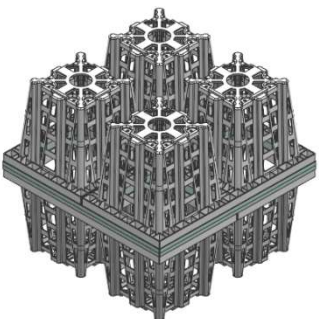


~ Rainwater Storage and Infiltration Facility ~

New Trench-kun



New Pla-kun



~ Tank for Rainwater Utilization ~

Plaspool



 CHICHIBU CHEMICAL CO., LTD.

April 2018

After Urbanization

Reduction in infiltration.

Increase in storm runoff.

The dominant aspects of urbanization are increase of impervious areas and removal of the porous surface soil and its replacement with a compacted layer. These increase urban floods and reduce the ground water.

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 PRSS in wide area.

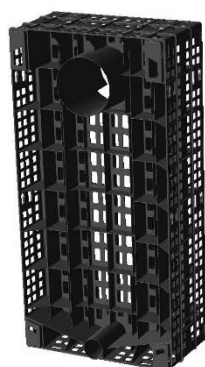
PRSS is lightweight because the material is plastic, and it is also one feature that it can be constructed with human power only. In spite of this, PRSS can be utilize on the top and can be installed under parking lots.

New Trench-kun ~ Infiltration Trench made of Plastic ~

Material
Polypropylene Plastic

Weight
6.7kg / 1 block

Void Ratio
Over 94%



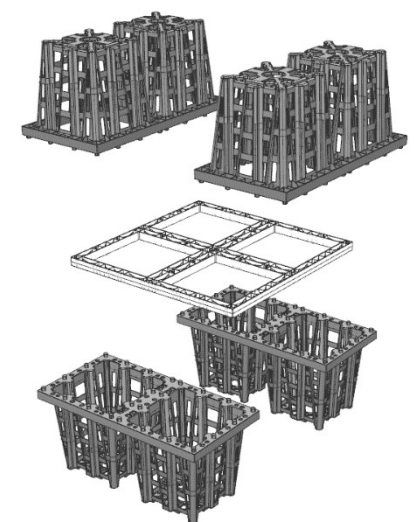
◆Construction Example in Japan and Indonesia



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

◆Selling Point

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



Material

Polypropylene Plastic

Weight

3kg / 1 block

Void Ratio

Over 95%

Allowable Compressive Stress

Vertical Strength 142.4kN/m²

Level Strength 97.1kN/m²

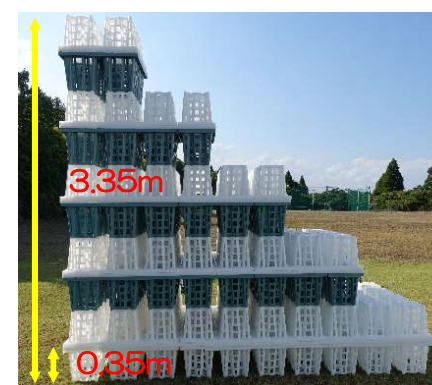
Permissible depth of soil to cover and bottom depth of New Pla-kun

Kind of Load	Parking T-25
Minimum Depth(m)	0.5
Maximum Depth(m)	2.0
Maximum Bottom Depth of New Pla-kun(m)	
3.99	

※ Width and length are multiples of 0.7m

Abundant Variation of Height

Number	Height	Number	Height
1 stage	0.35m	6 stages	2.01m
2 stages	0.67m	7 stages	2.36m
3 stages	1.02m	8 stages	2.68m
4 stages	1.34m	9 stages	3.03m
5 stages	1.69m	10 stages	3.35m



◆Construction Example in Japan



◆Certification from ARSIT in JAPAN

(ARSIT: Association for Rainwater Storage and Infiltration Technology)

