

Categorie Premio

Accessibilità

Sostenibilità

Qualità della vita

Description of innovation social values

- product category
- formal and functional features
- problems solved by innovation
- user
- field of application

The Universal Toilet is a flexible toilet design useable by both individuals with disabilities and the general population that removes the social stigma of handicapped facilities. For users with disabilities, even a dedicated handicapped toilet requires maneuvering, especially when in a wheelchair. With the Universal Toilet users don't need to turn or twist but can simply slide forward off the wheelchair directly onto the toilet. There is even a chest board to lean against for added stability and comfort. Handles on the chest board can also be of use when standing or transferring between the wheelchair. For other users, the chest board becomes a backboard to lean against. The Universal Toilet is also very space efficient, requiring only a quarter of the space of existing handicapped toilets. And since the toilet's sleek, curving forms are like nothing seen before, users with disabilities need no longer feel self-conscious.

Description of technical features

- operations
- technology

The designs of most toilets for the disabled have been concerned with functional and mechanical considerations, but none of them address the emotional components of a disability. By creating a toilet that is equally useable by everyone, there is no longer a need for special signage or for disabled people to feel singled out by dedicated facilities.

With the Universal Toilet, wheelchair users don't need to turn or twist but can simply slide forward off the wheelchair directly onto the toilet. There is a chest board they can lean against for added stability and comfort. Handles on the chest board can also be helpful when standing or transferring to and from the wheelchair. For people that have limited dexterity or strength and the able-bodied, the chest board becomes a backboard to lean against.

The places where the wheelchair would come in contact with the toilet are wrapped in steel to prevent damage to the toilet's finish. And the surfaces on the toilet that come in contact with the human body are treated with a special coating to mitigate coldness.

Dimensions

1200mm * 600mm (flexible)

Materials

Ceramic and Corean etc

Certifications

[iF design awards- "First Prize Winner"]

[RedDot design awards - "Best of the BEST"]

[IDEA design awards - "Gold Prize Winner"] [local patant]

Benefits for environment

it conserves water by recycling the water used in the attached sink. We have considered ways to recycle defective products and wastes generated in the production of sanitary ware. the sludge generated in the process of manufacturing can be utilized for the production of clay bricks. It is an excellent way to produce high quality bricks while reducing cost and environmental pollution.

Benefits for human being

From the viewpoint of universal design, as everybody uses same space and product without discrimination, it will give hope to the disabled and a chance to break the wall of disablement to ordinary people. It gives also the effects of space saving and economizing in water and more enhanced design benefits in evacuation culture.