

## Fully Launch TOYODRAIN ACE, a Polyethylene Drainpipe with High Strength, High Water Stoppage, and Earthquake-Resistance



TOYODRAIN ACE

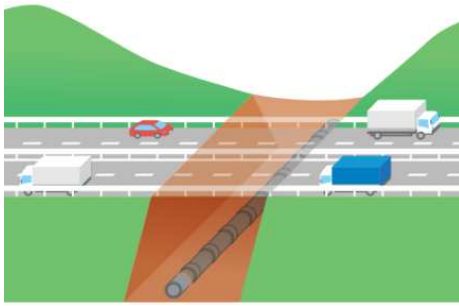
In May, Denka Company Limited (Headquarters: Chuo-ku, Tokyo; President: Toshio Imai; hereinafter, "Denka") will launch TOYODRAIN ACE, a new grade in the TOYODRAIN series (hereinafter, TOYODRAIN) of polyethylene drainpipes for agriculture and civil engineering.

TOYODRAIN is used for underground water collection and drainage applications. Since its launch in 1967, it has contributed to the improvement of productivity in field work, the improvement of product quality, and the stability and quantity of harvests in the fields of agriculture and infrastructure development through its use for road development, river improvement, etc. in the field of civil engineering.

The TOYODRAIN ACE we are launching now achieved using our unique production technologies is lightweight and has a flatness strength that is twice that of our conventional products.<sup>1</sup> In addition, its cuff structure,<sup>2</sup> which is employed in joint sections, enables it to have earthquake-resistant characteristics equivalent to Level 2<sup>3</sup> and greater water stopping properties, which maintains the functions of the pipe. The integration of joint parts into the main pipe has also improved workability. Joint parts with high water stopping properties (sockets) have also been added to the lineup. This product enables us to quickly respond to construction needs.

By launching TOYODRAIN ACE, which represents the evolution of the conventional product, we will protect agricultural land and infrastructure from frequent natural disasters and contribute to strengthening the nation's lands.

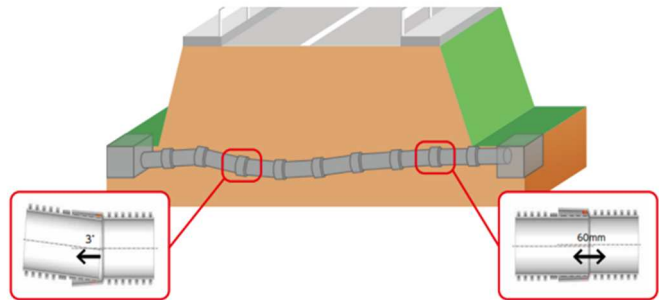
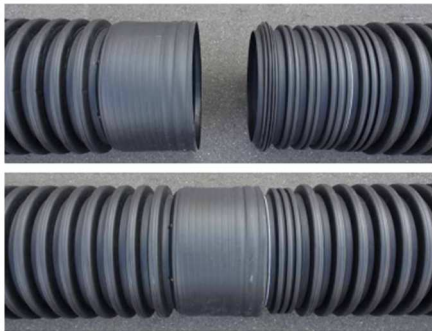
With the SDGs as its compass, Denka aims to be an irreplaceable company for society, creating a better world for all through work Denka can perform better than anybody.



TOYODRAIN being used

<sup>1</sup> Flatness strength: Resistance to changing dimensions (deformation) when a bending or twisting force, etc. is applied.

<sup>2</sup> Cuff structure in joint sections: See the following figure. This realizes higher water stopping and earthquake-resistant characteristics.



<sup>3</sup> Earthquake-resistant characteristics equivalent to Level 2:

Earthquake resistance that can withstand very rare but quite strong seismic movements (ground movement caused by earthquakes), such as the earthquake that struck southern Hyogo Prefecture in 1995 (the Great Hanshin-Awaji Earthquake)

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