

Smarter Drainage Cleaner Waterways

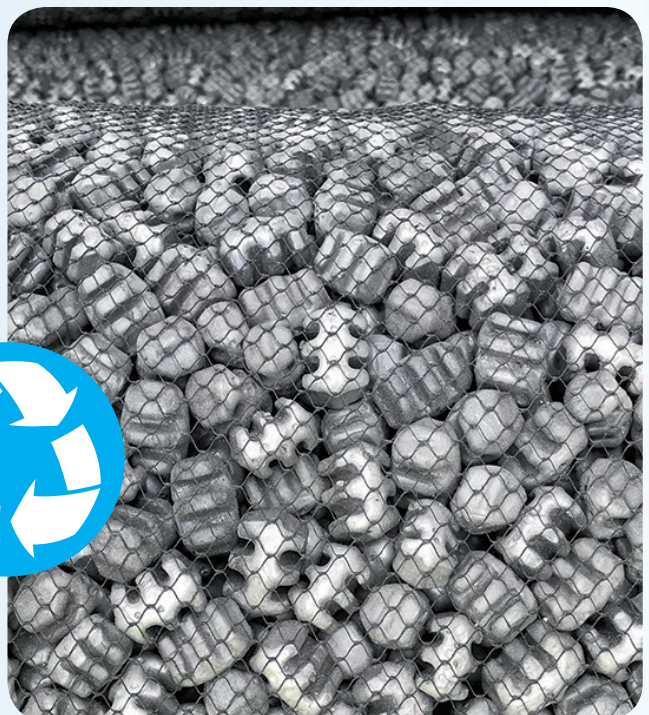


The Forest Group
High performance, versatile solutions

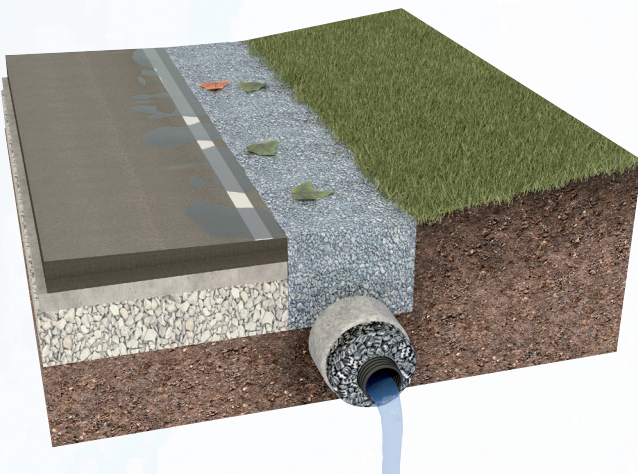
Forest Drainage Products Ltd – a division of The Forest Group, are UK based innovators and manufacturers of **smarter drainage solutions** that use specialist EPS bead technology as a geosynthetic aggregate and filter media for a range of surface water management solutions.

Our specially engineered EPS drainage beads are:

- of a channelled shape, produced to a standard size and density
- designed to provide an increased surface area
- manufactured using recycled plastics
- non-biodegradable with an expected design life in excess of 100 years
- non-toxic to wildlife and plant ecology



Our story begins with **Polybed®**. Launched in 2005, our alternative underground drainage solution uses our drainage bead as a replacement aggregate to improve consistency of bedding and surround, which in turn improves infiltration.



Independently tested to full highways loading by



The University of
Nottingham

UNITED KINGDOM • CHINA • MALAYSIA

NTEC

Nottingham Transportation
Engineering Centre

It's **lightweight and 3X faster to install with reports of programme and project cost savings of up to 50%** verses a like for like traditional installation.

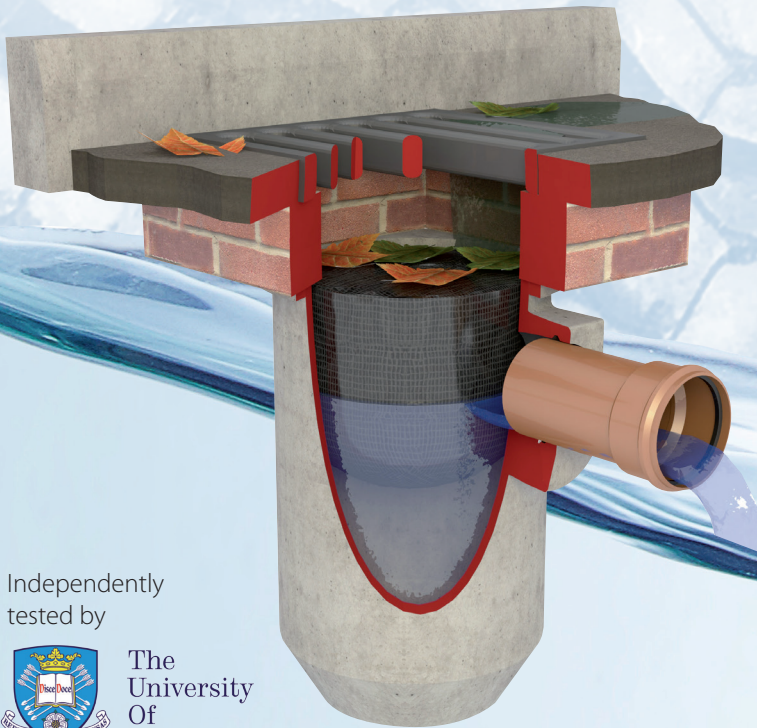
The consistent size, shape and density of our drainage bead ensure our Polybed products are uniformly encased within this uniquely pre-lagged surround. Through design and engineering an increased surface area is provided offering improved void ratio and infiltration/exfiltration capability over single sized stone in typical shallow drainage applications.

We have also had our Polybed® product **tested to full highways loading** at Nottingham's Transportation Engineering Centre (NTEC) to ensure its performance is suitable for applications including carpark and roadside filter strips.

In response to the EU Water Framework Directive **Gully Guard™** was launched in 2010 as a cartridge type **filtration system** that utilises our drainage bead as a filter media.



Designed to sit within infrastructure assets such as gully pots and interception chambers, Gully Guard assists in **reducing blockages, improving flows and reducing the spread of surface water contamination.**



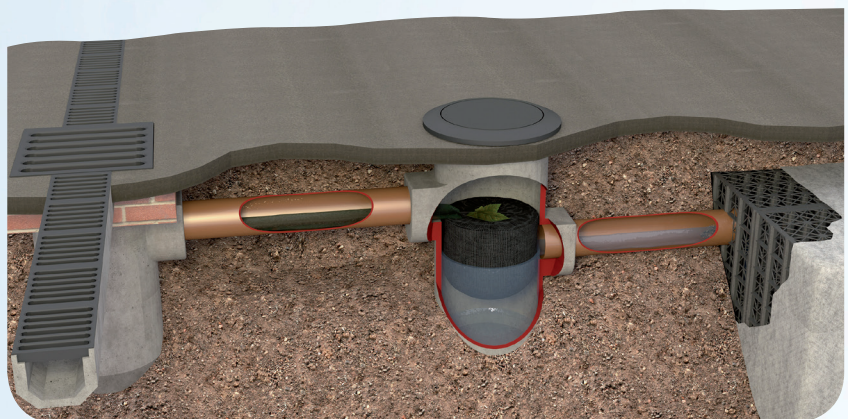
Independently tested by



The University Of Sheffield.

Our bead removes **98% of suspended solids** and debris from our networks, **capturing surface water contaminants such as; PAH's, heavy metals, de-icing agents, nitrates and phosphates.** This is achieved whilst **maintaining flows in excess of a 500 year return storm event** and all independently tested and confirmed by Sheffield University.

Through the versatility of our Gully Guard™ design we can easily adapt a solution to many applications beyond gully pots, offering a completely customisable and flexible product solution. This led us to the development of our newest product...



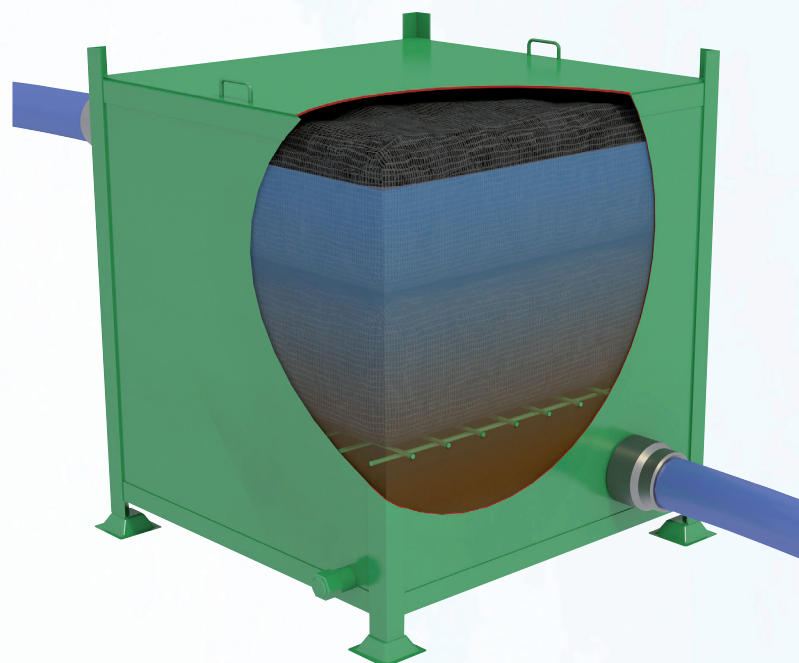
Filter Feeder™, is our **de-watering solution**, designed to manage wastewater and slurries from de-watering, road sweeping and washdown activities.



Applying the same tested and proven technology found in Polybed® and Gully Guard™ - Filter Feeder effectively and efficiently filters the water content away at location through a safe and controlled discharge method. This is achieved whilst capturing the suspended solids and contaminants held within the influent mitigating contamination risk to the environment.

Filter Feeder™ is **economical in design, requiring no power supply, chemicals or complex processing techniques.**

Portable, reusable, self-contained and easy to maintain – Filter Feeder is the future of on-site de-watering activities. Reducing cost and carbon footprint in operations while protecting our land and water resources from construction related contamination.



At **The Forest Group** we are continuing to innovate and develop practical solutions to meet industry needs.

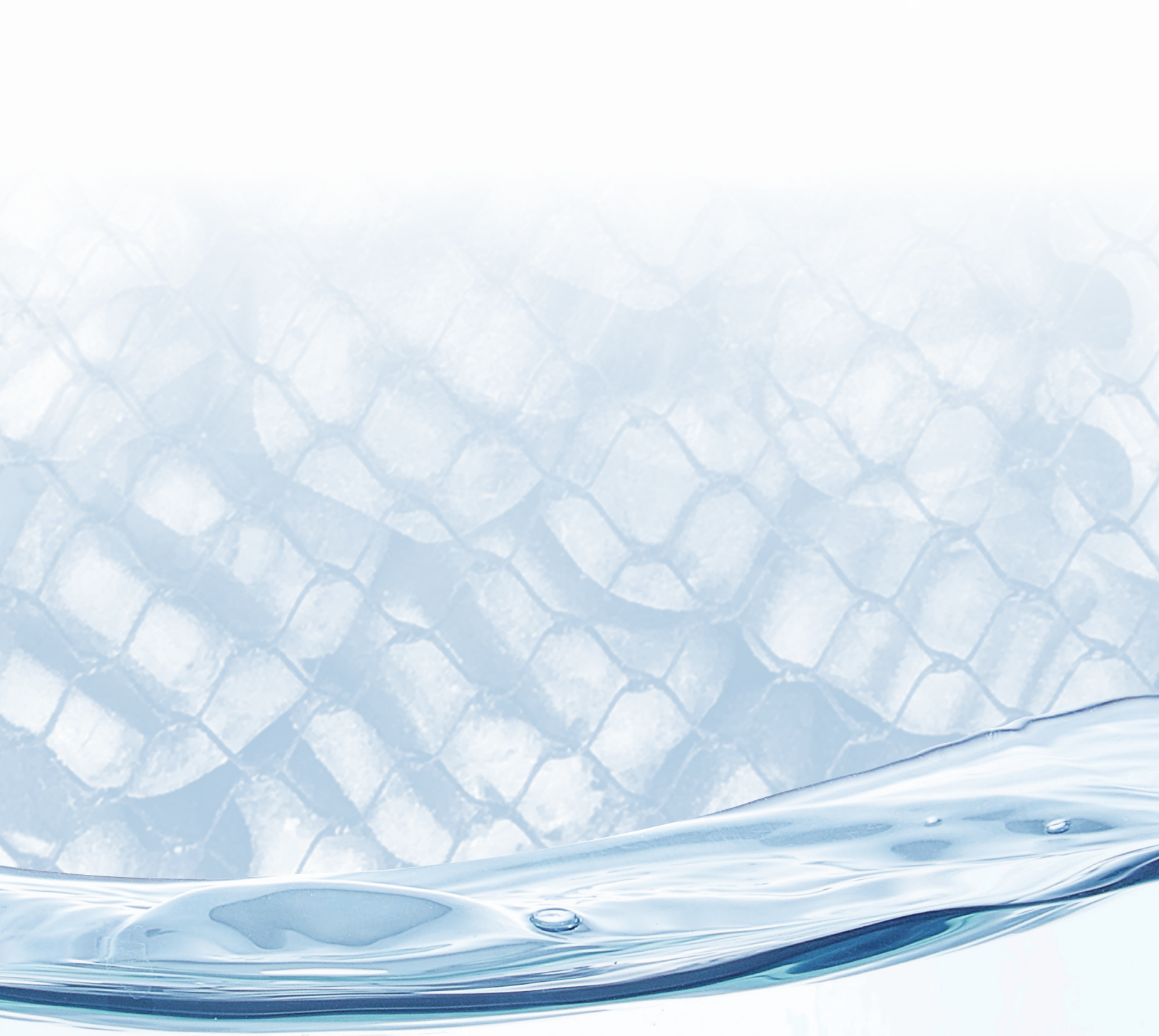


...and protecting rivers and waterway from contamination...



...we are always adapting and **customising our solutions** to meet customer and industry needs.

#smaterdrainagecleanerwaterways



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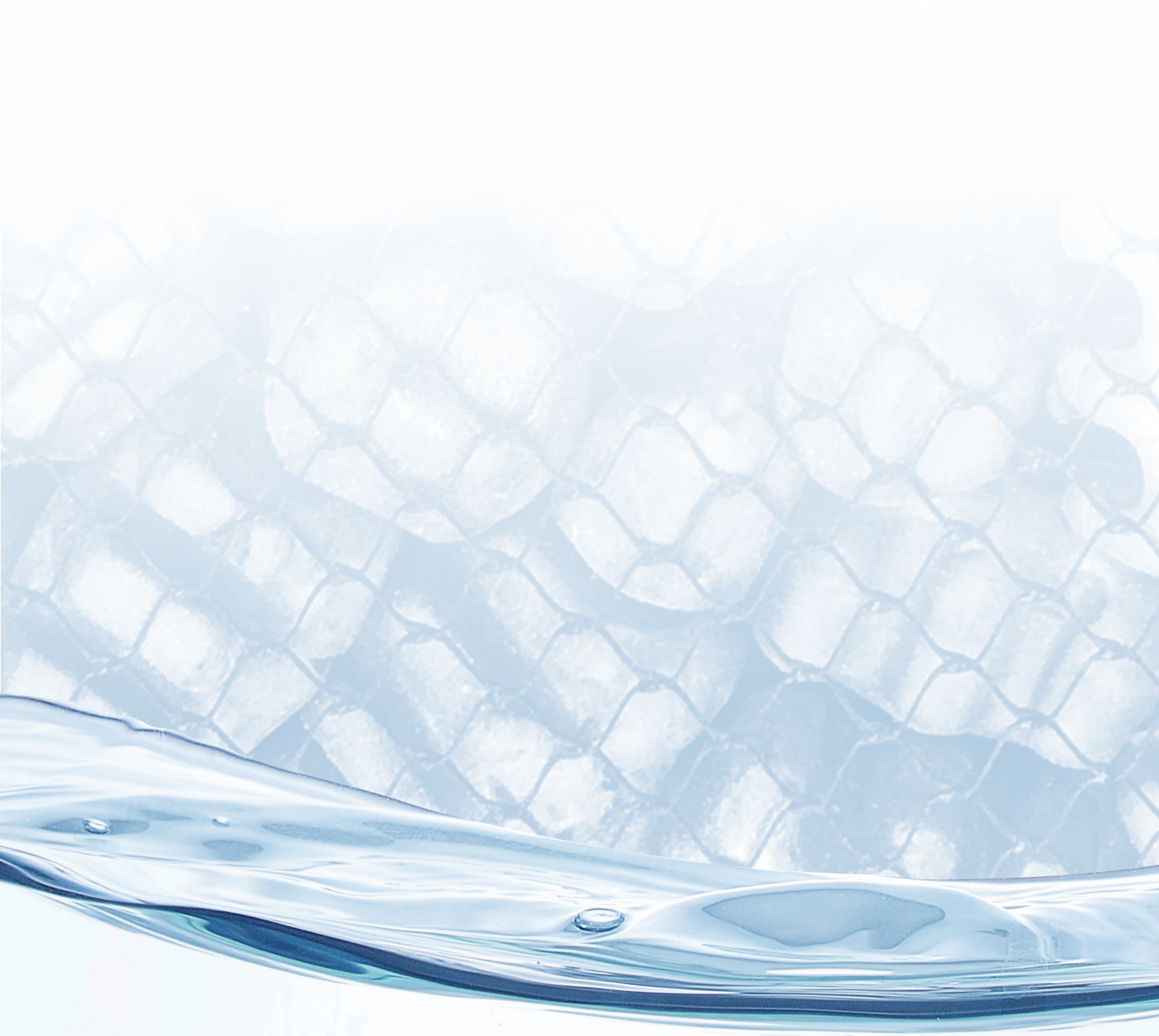
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