

360° iSolate™ nanotech protection means all-round durability

New water-repellent coating

Protects instrument against moisture-related damage

Wear-and-tear resistant for increased durability

Less maintenance, fewer repairs and less downtime



ReSound

rediscover hearing

ReSound continually sets the industry standard for sound quality. Our hearing solutions combine original thinking and design with solid technology – all based on deep audiological insight and a profound understanding of users.

With iSolate™ nanotech, ReSound takes protection one step further. Beside the obvious conveniences of a water-repellent hearing instrument, the new coating technology is daily 'wear and tear-proof' for increased durability in an active lifestyle.

www.resound.com/isolate

iSolate™ nanotech

360° water repellence



Features

- iSolate™ nanotech

Advantages

- Gives totally water-repellent instruments
- Makes them daily "wear & tear-proof"
- Allows for increased protection

Benefits

- Increases end-user satisfaction
- Lower repairs
- Radically increases durability
- Allows for less maintenance

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Protection like no other

ReSound® takes protection one step further with iSolate™ nanotech

For years, ReSound instruments have benefited from unique iSolate™ protection, offering enhanced environmental protection and a high acoustic stability.

The new combination of iSolate™ and nanotechnology takes hearing instrument protection to a completely new level.

This outstanding combination of two technologies means you can offer your clients even longer-lasting hearing instruments with new and improved benefits:

- Shock protection
- Protection from physical vibrations
- Humidity protection
- Water repellence

Your clients need no longer worry about durability. All elements including delicate and costly components are fully protected against liquid and perspiration.

iSolate™ nanotech

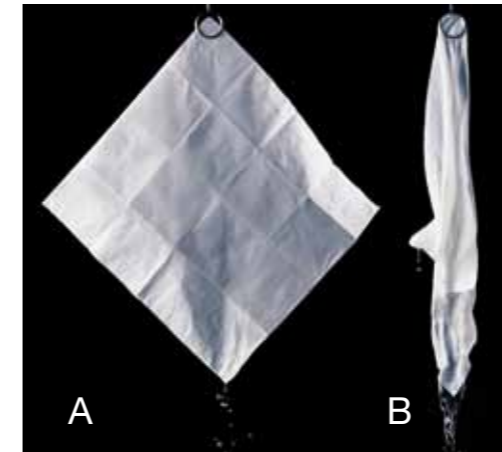
Extreme protection with nanotechnology

The tissue demonstration

The most compelling demonstration of nanotechnology's strengths and benefits is the so-called "tissue test". Tissue **A** is protected with iSolate™ nanotech and tissue **B** is unprotected.

Observe how iSolate™ nanotech simply repels the water, leaving tissue **A** dry and totally unaffected. Tissue **B** is soaking wet and completely ruined.

Nanotechnology is used more and more in many industries, including professional sportswear and high-tech mobile devices. Now, for the first time, nano-scale polymer coating technology is used in the hearing industry as an integrated part of iSolate™ nanotech.



Full protection inside and out

iSolate™ nanotech works by coating all elements of the hearing instrument with a thin protective layer that bonds at a molecular level with the internal and external components, shielding them without affecting their performance. Liquids or moisture coming into contact with any element of the hearing instrument – including internal elements - will simply roll off without being absorbed.



Ensuring 360° protection

ReSound ensures 360° protection of the hearing instruments by placing them in an isolated chamber where a vacuum is created before the coating takes place. The vacuum ensures that the nano coating covers both the internal and external parts of the hearing instruments. As soon as they are completely dry, the instruments are ready to use.

New protection for hearing instruments

Zero failures. No corrosion

ReSound subjected iSolate™ nanotech instruments to a series of Accelerated Stress Tests (AST) in order to provoke damage and malfunctions. These five-week tests involved exposing the instruments to extremely arduous treatment using salt water, an earwax-like substance and punishing wear and tear on all device elements. After the tests there were no acoustic or visible faults on the coated devices.

The instruments were also subjected to a realistic rain test designed to simulate conditions when worn by a user in heavy rain. Also after this test the result was remarkable: No visual impact. No corrosion. No fault.



Enjoy a new level of freedom

iSolate™ nanotech is launched in the dot² by ReSound® and ReSound Live® product families.

In the ReSound Live® and dot² by ReSound® families, instruments are now fully water repellent, both internally and externally. This minimises repair costs and time.

Without having to worry about water and humidity damage through perspiration or rain, your clients can enjoy a new level of freedom.



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