

INTERPUMP

High-Pumpability Concrete



Quality in Construction, Durability Over Time

Performance, reliability, and sustainability in every project



INTERBETON
A TITAN GROUP COMPANY

Pumping Technology for Quality & Speed

INTERBETON, committed to technological excellence and sustainability, offers to the Greek market a complete solution for projects where conventional concrete pumps are unsuitable and network-based pumping is necessary—without sacrificing the quality of the concrete delivered. INTERPUMP is INTERBETON's ready-mixed, ultra-pumpable concrete solution, supported by adaptable network pumping services. It is specifically designed for construction sites with challenging access, rapid build schedules, and strict quality standards.

This specialized series offers optimized rheological properties, making it suitable for pumping over long distances—more than 150 meters horizontally or vertically—without any on-site modifications to the concrete mix. INTERPUMP ensures reliable, fast, and high-quality placement while maintaining all technical properties of the ready-mixed concrete, supporting the structural longevity of the project.

Quality Placement, Sustainable Durability

INTERPUMP is the smart choice for projects that demand speed, precision, and reliability. It offers a technologically advanced solution that combines on-site efficiency with long-term structural durability. Its optimized rheology guarantees high-quality concrete placement—even in the most challenging conditions.

Preserving the technical characteristics of concrete during network pumping is essential for sustainable, long-lasting structures— and INTERPUMP guarantees this with consistency. It is a high-performance tool for projects that need to stand the test of time, with minimal interventions or repairs.



For more information, please refer to the INTERPUMP Technical Description brochure.



Key BENEFITS

Speed & On-Site Efficiency

INTERPUMP increases placement speed by up to 60%, reducing preparation time and equipment requirements. Continuous pumping allows for smooth, quick, and clean placement with no interruptions or material waste.

High-Quality Placement & Long-Term Durability

Optimized rheology guarantees complete reinforcement coverage without honeycombing or segregation, improving structural capacity and long-term performance.

Sustainability & Reduced Environmental Footprint

With less waste materials, reduced CO₂ emissions, and lower energy consumption, INTERPUMP contributes to greener, more efficient, and longer-lasting construction.

Technical Performance with Stability & Accuracy

INTERPUMP is produced in INTERBETON's fully automated plants, supported by advanced quality-control laboratories. This ensures a consistent mix composition and reliably high performance. The mix is engineered specifically for long-distance pumpability.

Technical Characteristics

- Full support from INTERBETON's long distance line pumping services, eliminating the need for on-site transport equipment. Concrete is placed directly at the final location.
- Suitable for placement through flexible line pumping networks.
- Specially designed mix that maintains its quality properties throughout long-distance pumping with stable rheology and no segregation.
- Ensures full reinforcement coverage, preventing voids and significantly improving durability and overall sustainability.
- Suitable for interior slabs, industrial floors, and renovation works.



Performance – Quality – Safety – Sustainability

INTERPUMP covers a wide range of applications and guarantees high-quality, stable concrete placements, reducing the risk of construction errors—such as the improper addition of water on-site to aid pumpability. It boosts structural durability and lowers the chances of defects. It is produced under strict quality control in fully automated plants, delivered ready-to-use by mixer trucks, and supported by a flexible pumping network that ensures speed, cleanliness, and job-site safety.

Performance

Concrete placements using INTERPUMP and INTERBETON's pump network achieve up to 50% higher placement rates compared to conventional concrete or alternative techniques (e.g., crane buckets). This enables reduced labor needs and continuous workflow without delays.

Cost Efficiency

Total placement cost is reduced by 10–25% thanks to time savings, less manpower, and better scheduling.

Quality

Placement quality is fully ensured, maintaining mix performance as specified in the project's engineering design. The risk of rejecting loads (due to time limits) is reduced by up to 90%.

Safety

INTERPUMP substantially improves placement safety and reduces crew fatigue. Concrete is delivered exactly where it is needed—without heavy lifting or risky movements.

Sustainability

INTERPUMP reduces environmental impact:

- CO₂ emissions per m³ reduced by 5–15%
- Waste reduced by 20%
- Overall job-site operations become more energy-efficient

Range of INTERPUMP Ready-Mix Concretes

| | C16/20 | C20/25 | C25/30 | C30/37 | C35/45 |
|-------------------------------|--------|--------|--------|--------|--------|
| max aggregate size 16 mm | ● | ● | ● | ● | ● |
| max aggregate size 8 mm | | | | ● | ● |
| Industrial floor applications | | ● | ● | ● | |

Durability Through Uniform Placement

Long-term performance begins with proper placement. INTERPUMP ensures flawless placement even in the most challenging areas, significantly improving the durability of the final structure.

Compaction Without Compromise

INTERPUMP provides high fluidity without segregation, allowing crews to place concrete in hard-to-reach areas without adding water, which would otherwise degrade the mix. Proper reinforcement coverage and absence of voids directly improve structural durability.

Durability Through Uniformity

Uniform distribution across large forms or dense reinforcement prevents localized weaknesses or permeability zones. This slows reinforcement corrosion caused by chloride or CO₂ ingress and enhances durability.

Minimization of Construction Errors

With INTERPUMP, pumping requires no on-site interventions. This eliminates harmful practices such as:

- adding water
- insufficient compaction
- abrupt stoppages in the placing flow —issues that lead to voids, poor coverage, or reduced service life

On-Site Advantages

INTERPUMP simplifies site logistics and provides significant savings in time, cost, and manpower. It is ideal for projects with limited accessibility, demanding quality requirements, and tight schedules—while creating a safer, cleaner, and more ergonomic job-site environment.

- Direct placement into the casting area—no wheelbarrows or manual transport
- Reduced overall placing time and simplified on-site management
- Lower construction and environmental footprint (noise, dust, fuel use, CO₂)
- Minimal movement of heavy vehicles and personnel
- Easy pumping into enclosed spaces
- Continuous, rapid placement with fewer rejected loads and minimal rework
- Cleaner, safer work environment
- Ideal for renovations, strengthening projects, and extensions
- No large crews or specialized finishing equipment required

Application Fields

- Industrial floors (indoor and outdoor)
- Renovation and strengthening works in existing buildings
- Constructions with limited access for equipment
- Interior applications requiring high cleanliness and fast execution



Contribution to Sustainable Construction

INTERPUMP enhances the efficiency and sustainability of construction by reducing waste, placement time, and rework needs. Its high pumpability and precision make it ideal for complex projects requiring speed, accessibility, and quality.

Reduced Waste & Rework

Consistent, even placement leads to fewer rejected loads and less corrective work. This lowers CO₂ emissions related to the production and handling of extra concrete.

Reduced Placement Time

High pumpability shortens placement duration, lowering the overall environmental footprint (noise, dust, fuel use).

Support for Complex, Sustainable Architectural Designs

INTERPUMP enables placement in hard-to-reach or high-rise areas without changing the mix design. It supports efficient structural solutions with fewer materials, reducing embodied carbon and improving long-term sustainability.



INTERPUMP

High-Pumpability Concrete

Contact our team for more information
on how INTERPUMP can support your project.

main@interbeton.gr

The Company assumes no responsibility for the correct application, placement, curing, or final use of the product. Any information provided in the Company's brochures and technical descriptions concerning the application and final use of the product is given in good faith and based on the Company's current knowledge and experience with the product. Under no circumstances shall such information constitute any liability on the part of the Company for potential deficiencies in the application, placement, curing, or final use of the product. Reproduction or reprinting, in whole or in part, of this document in any form is strictly prohibited without the prior written consent of INTERBETON.

INTERBETON
22A Halkidos Str.
11143 Athens
T. +30 210 2591 111
interbeton.gr

