

AIRIUM[®]

Voidfill

An efficient and cost-efficient void filling material



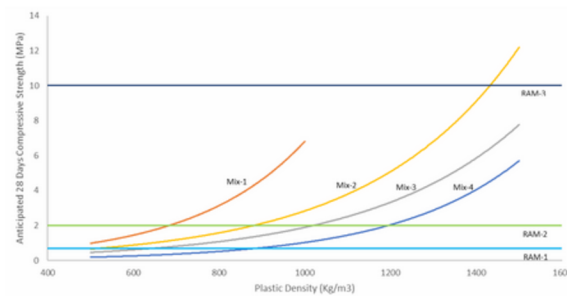
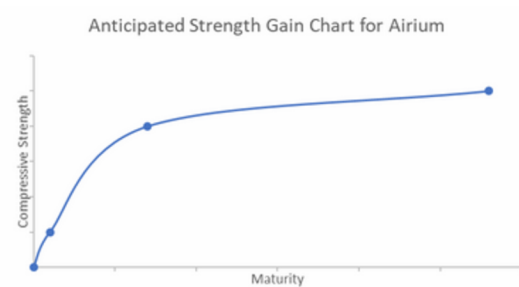
Airium Voidfill

Airium Voidfill is meticulously engineered for void filling, ground stabilisation, and diverse applications. It is offered in a range of densities, compressive strengths, tensile strengths, and thermal conductivities tailored to specific project needs. With its self-levelling characteristics, it ensures optimal performance without compromising on initial setting time. This makes it the ideal choice for projects that demand backfilling capabilities beyond what traditional materials can offer.

Characteristics



Material Formulation	Airium Voidfill
Mix Composition	Portland Cement/ GGBS / Fine Aggregate / Crushed Rock Fines / Water / Additives
Maximum Particle Size	5mm
Wet Density	500 - 2000 kg/m ³
28 Days Compressive Strength	0.5-12 MPa
Hardening Time	8-24 Hours



Applications

Pipelines · Service ducts and shafts · Culverts and subways · Redundant sewers · Tank filling Retaining Wall Backfill · Bridge abutments · Tunnel stabilisation · Embankments

Benefits of Airium Voidfill



- **Accelerated Construction:** Airium Voidfill expedites construction by enabling placement of up to 1 meter depth to maintain the foam structure
- **Durability:** Airium Voidfill boasts a stable foam structure that provides enduring stability and support to structures, while also reducing the risk of settlement or subsidence. Its resistance to freeze/thaw damage is enhanced by the controlled foam structure.
- **Self-Leveling and Compacting:** Airium Voidfill is ideal for inaccessible area where traditional compaction methods are impractical. It fully fills void spaces and completely surrounds and protects pipelines.
- **Ease of Placement:** Airium Voidfill can be pumped by rotor stator pump or a peristaltic pump; or alternatively it can be simply poured from the truck and leveled with a shovel.
- **Minimised Site Storage:** Airium Voidfill eliminates the need for on-site storage space, reducing traffic disruption caused by material delivery.
- **Versatility:** Airium Voidfill is adjustable to meet specific performance requirements, offering flexibility for diverse project needs.
- **Sustainability:** We offer carbon calculations for projects, with low-carbon options available, emphasising our commitment to sustainability.

Why Choose Holcim?



- **Expertise:** Our team possesses extensive experience and proficiency, guaranteeing excellence in every project we undertake.
- **Quality Commitment:** London Concrete maintains rigorous adherence to stringent quality protocols, ensuring the provision of dependable and long-lasting Airium Voidfill solutions.
- **Customer Focus:** We prioritise the satisfaction of our clients and aim to surpass their expectations in every aspect of our service delivery.
- **Robust Distribution Network:** London Concrete boasts a network comprising 11 cutting-edge production facilities, strategically positioned to serve regions within and adjacent to the M25 area comprehensively.
- **Innovative Approach:** We are dedicated to exploring and implementing cutting-edge technologies to fulfill the evolving needs of our clientele.

Technical Support



London Concrete Technical Services (part of the Holcim Group) will provide advice, support and assistance in all aspects of the selection and use of Airium Products.

For further information, to place an order or to speak to one of our Airium specialists, please contact the London concrete office: 0208 380 7300 or visit: www.aggregate.com/airium