

AIRIUM



LafargeHolcim
QATAR

Airium is a lightweight fluid cementitious insulation making it the ideal solution for roofs prior to the waterproofing application, offering the added benefit of thermal insulation. **Airium** is a highly fluid and non-structural product, the specific combination of admixtures gives the product a homogeneous and fluid consistency which enables it to be placed with ease.

Areas of Application

- Insulating roof screed with a lambda that can reach the value of $0.08 \text{ W.m}^{-1}\text{.K}^{-1}$, **Airium**™ has a coefficient so it helps to build and insulate at the same time.

Advantages

- **Airium** is highly insulating in its lowest density version, reaching a top tier insulation performance level. In terms of acoustics, **Airium** is amongst the best insulating materials.
- Better air quality as no chemicals are added and there is no impact on air quality as **Airium** is inert. Also, the breathability of **Airium** and its PH level strongly diminish the risk of mold compared to traditional insulation.
- Sustainable insulation. **Airium** is the future of insulation. It has a lower CO2 footprint over its life cycle compared to other insulation methods as a result of several factors: its high air content, its higher durability (more than 100 years), its carbonation property (CO2 is absorbed over time, and its full recyclability and high durability also mean less worries and less renovation costs over time).
- You can build and insulate at the same time. For roofs and terraces, the sub screed layer poured with **Airium** can replace, in a single layer, traditional two layer systems (often composed of a concrete screed slope and an insulation layer).
- Speed of placing as **Airium** is foamed either at the batching plant or on site using specialised pumps, both options are delivered to site by transit mixers meaning less hassle in terms of storage and handling on site.



DENSITY FROM

400 kg/m³

FIRE RATING

Class A1



Safety precautions

The use of safety boots, safety goggles, hard hat, ear defenders and gloves is recommended when placing concrete.

First Aid

Eyes: Immediately flush eyes, including under lids, with water for at least 15 minutes to remove all particles. If necessary, seek medical advice

Skin: Wash skin with cold water and a pH neutral soap as soon as possible, except where open wounds are visible.

Seek medical help in cases of prolonged contact with wet concrete.

Ingestion: Rinse mouth with clean water. If swallowing has occurred drink plenty of milk or water. Do not induce vomiting. Seek medical attention immediately.

Inhalation: Move to fresh air. If symptoms persist seek medical attention.



Features

- Density 400 kg/m³ to 800 kg/m³
- Thermal insulation
- Can be placed to incorporate required fall on roof and terrace applications
- Non-combustible with a high fire resistance
- Can be tailor made to specific density requirements
- **Airium** can be coloured to enable identity of covered utilities
- Can be easily pumped into the required position
- Performance and quality guaranteed
- Supplied readymixed by transit mixer

Technical Support

For more information on **Airium** design and application our local team is available to discuss your requirements



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