

UFHT Liquid Screed Technical Information

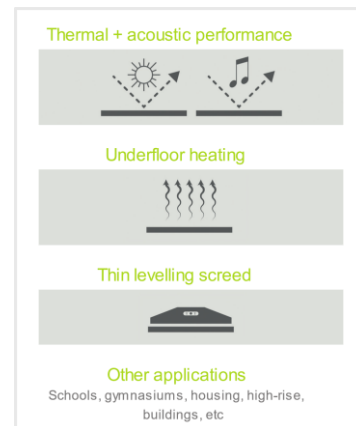
Gyvlon ECO anhydrite liquid screed is fully BBA approved and has been in use for 25 years. It is environmentally friendly; the synthetic calcium sulphate (gypsum) binder contains 98% recycled materials and the ability to recycle 100% at the end of the building's life.

Gyvlon ECO is a free flowing and self-compacting screed which requires no reinforcement and is protein free. It has greatly reduced cracking when compared to traditional screeds and has no curling.

Gyvlon ECO has a minimum installation temperature of 3°C. After pouring Gyvlon ECO can received foot traffic in 24-48 hours, drying time is 1mm per day up to 40mm thickness and 0.5mm per day beyond 40mm thickness. Unlike traditional screeds drying time can be accelerated by applying heat to the screed via underfloor heating.

As a free flowing and self-compacting screed, Gyvlon ECO is versatile for the majority of build types and is compatible with most acoustic and thermal insulations.

Mechanical Strength	C25-F4 BSEN 13813
Dry Density	2000kg/m ³ (+200)
Design Thickness	Min 30mm - Unbonded
Design Thickness	Min 35mm (domestic) 40mm (commercial) – floating
Substrate Type	Suitable for most substrates
Substrate Regularity	SR2-BSEN 8204-7
Surface Finish	Low laitance option
Surface Finish	May require sanding as part of floor finish installation
Reinforcement	Requires not reinforcement



Gyvlon ECO Additive Options	
XTR	
The strongest screed for the most demanding situations, FM Screed XTR is a blend of binder, special additives and selected aggregates mixed with clean potable water to produce a pumpable self-smoothing, flowing screed (manufactured to BSEN 13813:2002). This product is designed to provide a smooth level surface in both commercial and domestic buildings where higher than usual loadings are expected, prior to the application of final floor finishes.	
Thermio+	
FM Screed Thermio is the guaranteed ultra efficient screed for underfloor heating. THERMIO®+ technology screed enables a much faster rise in temperature thanks to its high thermal diffusivity (up to +80% compared to a cement screed), providing quicker response to thermostat changes and up to 8% savings on heating bills.	
Low Laitance	
Low Laitance additive reduces the amount of laitance formed on the surface of the screed, reducing the amount of sanding needed.	
Fast Drying	
Gyvlon ECO anhydrite liquid screed with the Fast Drying additive has been proven to dry at least twice as quickly compared to standard Gyvlon ECO anhydrite liquid screed. This means that non-sensitive floor coverings can be laid in as little as 14 - 21 days, dependent on screed thickness and local conditions. The Fast drying additive also gives a surface finish which is ideal for receiving final floor finishes, eliminating the need for sanding.	