



THERMIO® MAX ^{FD/E2C} TECHNOLOGY



GUARANTEED HIGH-PERFORMING SCREED FOR UNDERFLOOR HEATING

THERMIO® MAX, the next generation of underfloor heated screeds, has been developed by Anhydritec® to suit the ever-increasing demand for energy saving, easy in- stall, high performing heat output screeds. THERMIO® MAX creates living spaces that warm up & cool down quickly, use less energy, are comfortable to live in, by getting the most out of your heat source, particularly environmentally friendly ones like heat pumps. With the integration of FD and E2C® technologies THERMIO® MAX can now work on short timescale project as well; getting your floorcoverings installed faster. Backed by years of research and third-party certificates like the BBA, Gyvlon THERMIO® MAX is guaranteed to perform.

CHOOSE MAX TO POWER YOUR NEXT UFH SYSTEM AND EXPERIENCE THE DIFFERENCE

MAX performance: Increase the thermal emission values of up to **40%**³, in hot and cold

MAX of comfort: + **80%** thermal diffusivity for an even faster rise (or descent) in temperature, for immediate comfort

A cooling MAX: : lower the temperature by **5 to 7°C** thanks to COOL-TEC® technology

MAX savings: up to **20%** savings on heating bills¹

COOL-TEC® FOR OPTIMAL REFRESHMENT



COOL-TEC® technology provides high effusivity ensuring heat absorption capacity 40% higher than a cement screed.

MAIN FEATURES

- ➔ **Guaranteed high thermal performance²**
(2.5 W/m.K)
- ➔ **Great responsiveness & immediate comfort**
- ➔ **Faster floorcovering installs FD E2C**
- ➔ **Thin section**
15 mm above the pipe

EPD® LOW CARBON SOLUTION
<90% REDUCTION



The ultra-thin readymix flowing subbase leveller



The thin and lightweight flowing screed solution



The guaranteed ultra-efficient screed for underfloor heating



The strongest screed for the most demanding situations

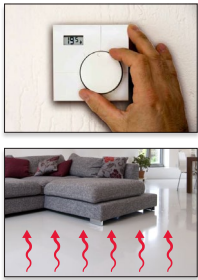


The Gyvlon® screed version with faster drying (FD) and early to cover (E2C®)



Anhydritec's versatile Gyvlon® screed

CHOOSE MAX FOR COMFORT ALL YEAR ROUND



You come home from work and adjust the temperature of your thermostat. The THERMIO® MAX screed allows a **faster rise (or fall) in temperature**, thanks to its high thermal diffusivity (+80% compared to a cement screed), its high thermal conductivity ($\lambda=2.5 \text{ W/m.K}$) and its low thickness.

Once installed and commissioned, your floor releases heat (or coolness) **more evenly and efficiently** thanks to THERMIO® MAX's exceptional emission (or absorption) capabilities resulting in energy savings for the home owner.

With THERMIO® MAX your heated floor operates at its peak efficiency, enabling energy savings of up to 20%¹.

	Traditional cement	ECO TECHNOLOGY	THERMIO® MAX FD/E2C TECHNOLOGY
	INSULATION	INSULATION	INSULATION
	LOW CONDUCTIVITY STANDARD THICKNESS	GOOD CONDUCTIVITY REDUCED THICKNESS	HIGH CONDUCTIVITY GUARANTEED THIN SCREED SOLUTION
COMFORT	★	★★★	★★★★★
EFFICIENCY	★	★★★	★★★★★
THERMAL GUARANTEE	-	-	BBA Approval Inspection Testing Certification

Tested extensively in Europe with manufacturers such as: Acome, Comap, Efex, PBtub, Rehau, Roth, Uponor, Velta, Wavin.

OUTSTANDING PERFORMANCE

TECHNICAL CHARACTERISTICS			
Mechanical strength		C30 F8	
Thermal conductivity (nominal value) ²		$\lambda=2,5 \text{ W/m.K}$	
Thermal emission coefficient ³		$K_H \geq 7,42 \text{ W/m}^2.\text{K}$	
Diffusivity		$D=1,0.10^{-6} \text{ m}^2/\text{s}$	
Dry Density		2 000 kg/m ³	
Nominal thickness above the pipe	Floating (on insulation)	15 mm	
	Bonded	10 mm	
Minimum thickness by substrate	Bonded		20 mm res / 25 mm com
	Floating	UFH type A	30 mm res / 35 mm com
		UFH type B	30mm

INSTALLATION BENEFITS	
Flow	250 mm (± 10 mm)
Joints	300 m ²
Productivity	up to 200 m ² / hour

MAX MOISTURE CONTENT OF SUBSTRATE ^{A,B}		
Carpets from 2% MC ^c	Tiles from 1% MC ^d	Vinyls from 1%MC ^e

THERMIO® MAX is a technology patented by ANHYDRITEC®



- Anyhritec study
- According to BBA, with a minimum of 2.3 W/m.k guaranteed thermal performance for approved concrete plants across the UK
- Calculation according to EN1264
 - Carbide measurement or oven drying at 40°C. Adhesive manufacturers recommendation should also be followed.
 - UFH must be commissioned as per industry guidelines before floor coverings are applied.
 - Bonded carpets excluded
 - A suitable primer should be used as per industry recommendation
 - With a suitable vapour barrier & smoothing compound

