

The image shows a modern, single-story house with a light-colored exterior wall and a dark roof. A grey brick wall is in the foreground, and a green bush is on the right. The sky is blue with white clouds. The GYPSOL logo is in the top right corner.

**GYPSOL**

**DESIGNED FOR USE WITH  
UNDERFLOOR HEATING  
AND COOLING SYSTEMS**

**HTC DATASHEET**

## DESCRIPTION

**Gypsol** High Thermal Conductivity (HTC) is the latest innovation in flowing screed technology from Francis Flower Ltd, offering a screed specifically designed for use with underfloor heating and cooling systems. It may be used with conventional heat sources as well as with renewable technologies. It is not pipe specific and is suitable for use with any underfloor heating system and in any type of construction, subject to suitable engineering. It is suitable for use over timber floors, Lewis decking, and more traditional concrete and masonry systems.

Suitable for both new build and refurbishment projects, **Gypsol** HTC offers an environmentally friendly screed to help improve the sustainability criteria of your project.

**Gypsol** HTC is available from our manufacturing partners, and may be installed by any of their approved installers. It can be used to thinner depths than conventional screeds, requiring just 20mm minimum cover to pipes, subject to substrate suitability. **Gypsol** HTC is suitable for use with all types of floor covering, and offers the ultimate in underfloor heating efficiency and comfort.



## WHAT'S SPECIAL ABOUT GYPSOL HTC?



In addition to all of the usual benefits available with **Gypsol** screeds <sup>[1]</sup> **Gypsol** HTC also offers:

- Designed specifically for use with underfloor heating/cooling systems  
Suitable for both warm water and electric underfloor heating

- High Thermal Conductivity  
Independent tests achieved 2.5W/mK <sup>[2]</sup>  
For UK calculations use 2.3W/mK <sup>[3]</sup>

Reduced depth

Minimum 20mm cover required to underfloor heating conduits <sup>[4]</sup>

- High Strength  
Minimum Ca-C30-F5  
Typical Ca-C35-F7
- Complete versatility of design  
Suitable for all types of underfloor heating pipe or cable  
Can be installed by any approved Gypsol installer <sup>[5]</sup>
- Better heating performance  
Complete pipe encapsulation allows easy heat transfer  
Suitable for any heating system and pipe size
- Low flow temperatures  
Reduced energy consumption and CO<sub>2</sub> emissions  
Reduced heating costs
- Low thermal inertia and rapid response  
Heats up quickly and cools quickly allowing greater system control  
Improved comfort level and reduced thermal "overshoot"

<sup>[1]</sup> See "Why Choose Us" Data sheet

<sup>[2]</sup> Tested to ASTM 1530 by Warwick University using normative sample.

<sup>[3]</sup> Allows for testing tolerances

<sup>[4]</sup> Some cosmetic pipe mapping may be observed

<sup>[5]</sup> For approved installers contact your local Gypsol technical and specification manager on **01928 574574**

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