

# Technical sheet 1200 Kg FORMULA Underfloor heating

**AGRESLITH<sup>®</sup> C**  
MINERALIZED WOOD AGGREGATE

## Technical characteristics :

Minimum thickness (cm)	7
Kg per square meter	84
Dry density Kg/m <sup>3</sup>	1200
Thermal conductivity W/m.K	0.38
Tensile strenght Mpa	6.6
Compression strenght Mpa	3

### □ General precautions before pouring

- Do not pour the below 5°C.
- Put a polyethylene film with sufficient covering
- Take precautions to avoid perforating the film.
- Install control joints, expansion and contraction joints,... especially in large areas and in narrowing surfaces (doors, hallways, level differences)
- Install level references

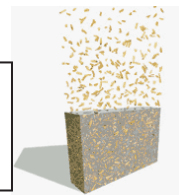
### □ General precautions after pouring

- During the hardening, do not work on the slab
- Protect the structure from solar radiations, airstreams and rain.
- 24 to 48 hours after the pouring, install contraction joints if they were not installed before.

Agresta uses monitoring tools to measure the efficiency of its products. Every day several samples are selected and analyzed in order to ensure a homogeneous quality of the production. Each step of the production is managed by an experimented team.

### □ Applications :

- Slab with underfloor heating



### □ Properties :

- In every room and on any support.
- For the coating of underfloor heating.
- Stocks 350Kg of CO<sub>2</sub>/m<sup>3</sup>.
- The slab must be at least 10cm thick.
- Better thermal diffusion.
- Homogeneous temperature.
- Stabilizes the temperature of the screed.

### □ Implementation

- 1 Respect the order of introduction of these elements in the concrete mixer :  
water ► Super plasticizer ► cement ► sand ► agres fibres ► agreslith-c
- 2 Wait for the mix to be homogeneous and progressively add fibers and wood.
- 3 Mix for 2-3 minutes until the aggregate is uniformly covered with cement.
- 4 Spread the concrete. Set the lattice tiling to half height of the slab or use polypropylene fiber.
- 5 Compact lightly and level the surface with a rule
- 6 Eventually finish the slab by spreading a mix of 2/3 of sand and 1/3 of cement.
- 7 Cover the slab with a polyethylene film for 5 days.

MIXTURE	WATER	SUPER PLASTICIZER	CEMENT	SAND 0/3	AGRESLITH-C
1m <sup>3</sup> of concrete	200 to 230 L	4 to 6 L	400 Kg	320 L	800 L
125L concrete mixer	26 to 30 L	0.5 to 0.8 L	52.5 Kg	42 L	105 L or 2 bags