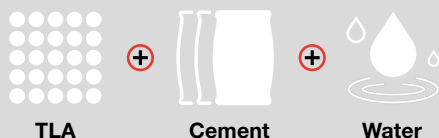


**energystore TLA® combines eps beads coated in a specially formulated additive with cement and water to create a pourable insulation.**



Other product grades are available for achieving alternative performance requirements.

Manufactured under licence from **Edilteco SpA**



**A2 - S1, d0**  
**Reaction to Fire.**



**High Strength**  
**poured insulation.**



**No on-site TLA**  
**storage or waste.**



**<0.5% drying**  
**shrinkage.**



**No gaps or breaks**  
**in insulation layer**  
**that may cause**  
**performance issues.**



**10 year insurance**  
**backed guarantee.**

## Technical Characteristics

## Performance\*

|                                               |                                                              |
|-----------------------------------------------|--------------------------------------------------------------|
| Bead Size                                     | 2mm - 8mm                                                    |
| Bead Density                                  | 12 kg ± 2 kg / m <sup>3</sup>                                |
| Cement Bulk Density                           | 110 kg / m <sup>3</sup>                                      |
| Target Wet Density                            | 190 kg / m <sup>3</sup>                                      |
| Dry Density                                   | 136 kg / m <sup>3</sup>                                      |
| Reaction to Fire                              | A2 – s1, d0                                                  |
| Declared Thermal Conductivity ( $\lambda_D$ ) | 0.043 W/mK                                                   |
| 10% Compressive Strength                      | 200 kPa                                                      |
| Shrinkage                                     | <0.5%                                                        |
| Water Vapour Permeability                     | 5 - 20 $\mu$                                                 |
| Compressive creep                             | CC(0.7/0.7/10)3.5<br>CC(0.7/0.7/10)6.5<br>CC(0.75/0.75/10)10 |

\* Manufactured and tested under BS EN16025-1:2013

**For further info contact our technical department**

**Mail [tla@energystoreltd.com](mailto:tla@energystoreltd.com)**

**Call [0800 085 6687](tel:0800 085 6687)**

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### Typical Applications

- High Strength Void Former.
- Suitable for flat and sloping roofs.
- Suitable to apply underfloor heating systems (UFH) directly on top.
- Suitable for ground bearing and suspended floors.

### Points for Consideration

For detailed information please refer to the product installation manual.

energystore TLA® must be installed by approved installers in accordance with installation guidelines.

Cement quality – minimum grade Portland 32.5 Cem I or Cem II.

Typically suitable for foot traffic 24-48 hours after installation\*.

Typical drying time is 10mm per day.

Minimum thickness 50mm. For depths below 50mm please contact our technical department.

For suitability of finishing screeds applied above energystore TLA® please check with screed manufacturer or installer.

*\* External factors dependant such as weather.*

We take every step to make sure that the information in this document is correct and accurate at the point of publication. To ensure you are viewing the most recent and accurate information please visit [www.energystoreltd.com](http://www.energystoreltd.com). For historical versions of this document please contact [info@energystoreltd.com](mailto:info@energystoreltd.com).