



Technical Data GYVLON SteelDeck

DESCRIPTION

Gyvlon SteelDeck screed is a blend of Gyvlon Binder, selected aggregates and clean potable water, to produce a pumpable self smoothing, flowing screed (manufactured to BSEN 13813:2002 and to the specific requirements of Lewis Deck dovetail sheeting).

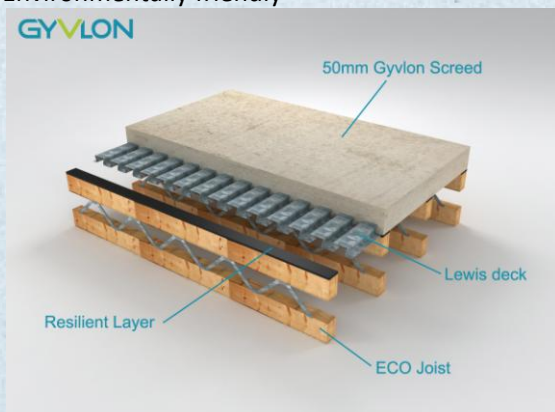
USES

Gyvlon SteelDeck screed is designed specifically to be used with the Lewis Deck dovetail sheeting, for use with either timber, metal web or steel joists in masonry, timber or light weight steel structures. To form either ground, separating or mezzanine floor constructions

For advice on specifications and proprietary systems please contact the Gyvlon Technical and Specification team

SYSTEM SPECIFIC FEATURES

- Increased productivity compared to floating floor treatments
- Improved loading compared to floating floor treatments
- Can easily accommodate UFH within the screed zone
- Ideal for use with UFH
- No need for loading out prior to flooring
- Easily achieves SR2 as described in BS8204:7
- Protein Free – cannot harbour bacteria
- Minimum thermal expansion (0.012mm/mK)
- Dries at a rate of 1mm per day up to 40mm in good conditions
- Excellent UFH performance compared to floating floors
- Environmentally friendly



TECHNICAL DATA

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|--------------------|------------------------|
| Appearance/Colour: | Off-white fluid mortar |
| Water demand: | 13-18 % b.w |
| pH: | > 10 |
| Wet Density: | 2200 kg/m ³ |
| Dry Density: | 2000 kg/m ³ |

Typical Screed Properties:

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|-----------------------|-----------------------|
| Compressive Strength: | C25 N/mm ² |
| Flexural Strength: | F4 N/mm ² |

MINIMUM APPLICATION THICKNESS

Application thickness of **Gyvlon SteelDeck** over Lewis Deck varies between 36mm and 75mm depending on loading, joist spacing and use of UFH. Please consult the Lewis Deck data sheet for confirmation

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| Typical Thickness : | 50mm (Minimum 20mm cover to heating pipes) |
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DELIVERY

Gyvlon SteelDeck is supplied via a concrete plant in truck mixers, Transmix trucks or as pre blended bags.

ENVIRONMENTAL

Gyvlon SteelDeck is produced using Gyvlon binder, which is manufactured from an industry by product.

Gyvlon Binder – 98% Recycled Content

Gyvlon Thermoplane Screed – Average 36% Recycled Content

Recyclability – 100% Recyclable

VOC Content – VOC Free

HEALTH & SAFETY

Please consult the relevant Health & Safety Data Sheets, available from Lafarge on request and provided with each delivery.

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