



## *Technical Data Sheets*

<i>Gyvlon</i> .....	2
<i>SKY</i> .....	3
<i>SoundBar</i> .....	4
<i>Steeldeck</i> .....	5
<i>XTR</i> .....	6



## Technical Data

## GYVLONEco

### DESCRIPTION

**GYVLON FLOWING SCREED** is a blend of **GYVLON BINDER**, **special additives** and selected aggregates mixed with clean potable water to produce a pumpable self smoothing, flowing screed (manufactured to BSEN 13813:2002).

### USES

**GYVLON FLOWING SCREED** is designed to provide a smooth level surface in both commercial and domestic buildings prior to the application of floor finishes. It can be used Bonded, unbonded or floating and with or without UFH.

For advice on specifications and for proprietary systems contact your Gylvon Area Technical & Specifications Manager.

### PRODUCT FEATURES

- Self compacting
- Self curing.
- Can be walked on in 24-48 hours.
- Can be loaded after 7 days
- No reinforcement required.
- Ideal for use with under floor heating
- Can be force dried as early as 7 days after application.
- Dries at a rate of 1mm per day up to a screed depth of 40mm in good drying conditions
- Easily achieves SR2 finish as described in BS8204.
- Protein free - cannot harbour harmful bacteria.
- Non combustible (tested to BS476 Part 4).
- Minimal Thermal expansion (0.012mm/mK).
- Excellent thermal conductivity.
- Environmentally friendly

### TECHNICAL DATA

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

#### Typical Screed Properties:

Compressive Strength:	C25 N/mm <sup>2</sup>
Flexural Strength:	F4 N/mm <sup>2</sup>

### MINIMUM APPLICATION THICKNESS

Bonded:	25mm
In contact with substrate:	30mm
Unbonded:	30mm
Floating Commercial:	40mm
Floating Domestic:	35mm
Underfloor Heating:	25mm minimum (30mm nominal) cover to pipes, heating elements.

### DELIVERY

GYVLON FLOWING SCREED is supplied via a concrete plant in truck mixers, Transmix trucks or in pre blended bags.

### ENVIRONMENTAL

Gylvon Binder – 98% Recycled Content  
Gylvon 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.



## Technical Data Sheet

# GYVLON Sky

### DESCRIPTION

**Gyvlon Sky Screed is a blend of Gyvlon Binder, selected aggregates, special additives and clean potable water, to produce a pumpable self smoothing, flowing screed (manufactured to BSEN 13813:2002 and to the specific requirements of high level pumping).**

### USES

**Gyvlon Sky screed is designed specifically for use where Gyvlon pumped screeds are required above 12 storeys. It is specially formulated to help reduce moisture loss to pumps lines and reduce risk of in line segregation whilst maintaining all the normal features of a Gyvlon flowing screed**

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

**Please note that over certain heights may require specialist pumps, Gyvlon can suggest pumping companies with previous experience of Gyvlon Sky.**

### PRODUCT FEATURES

- Self compacting
- Self curing.
- Improved pumping characteristics
- Can be walked on in 24-48 hours.
- Can be loaded after 7 days
- No reinforcement required.
- Ideal for use with under floor heating
- Can be force dried as early as 7 days after application.
- Dries at a rate of 1mm per day up to a screed depth of 40mm in good drying conditions
- Easily achieves SR2 finish as described in BS8204.
- Protein free - cannot harbour harmful bacteria.
- Non combustible (tested to BS476 Part 4).
- Minimal Thermal expansion (0.012mm/mK).
- Excellent thermal conductivity.
- Environmentally friendly

### TECHNICAL DATA

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

### Typical Screed Properties:

Compressive Strength:	C25 N/mm <sup>2</sup>
Flexural Strength:	F4 N/mm <sup>2</sup>

### MINIMUM APPLICATION THICKNESS

Bonded:	25mm
In contact with substrate:	30mm
Unbonded:	30mm
Floating Commercial:	40mm
Floating Domestic:	35mm
Underfloor Heating:	25mm minimum (30mm nominal) cover to pipes, heating elements.

### DELIVERY

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

### ENVIRONMENTAL

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

Gyvlon Binder – 98% Recycled Content

Gyvlon 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.



## Technical Data

# GYVLON

# SoundBar®

### DESCRIPTION

**Gyvlon SoundBar** 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 the SoundBar system).

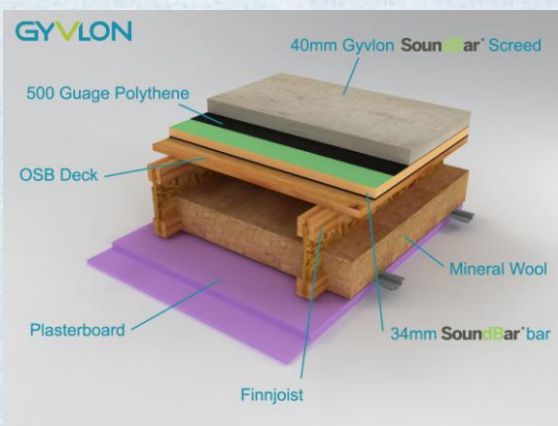
### USES

**Gyvlon SoundBar** screed is designed specifically to be used as part of the Soundbar system, for use over timber joists both in masonry and timber framed designs. The system can be used in both commercial and residential projects and is ideally suited where improved acoustic, loading and durability are required.

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

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

### Typical Screed Properties:

Compressive Strength:	C35 N/mm <sup>2</sup>
Flexural Strength:	7 N/mm <sup>2</sup>

### MINIMUM APPLICATION THICKNESS

#### Soundbar System

Without UFH : 40mm

#### Soundbar System

With UFH: Minimum 45mm (25mm minimum , 30mm nominal) cover to pipes, heating elements.

### DELIVERY

**GYVLON SoundBar** is supplied via a concrete plant in truck mixers, Transmix trucks or as pre blended bags.

### ENVIRONMENTAL

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

Gyvlon Binder – 98% Recycled Content

Gyvlon 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.



## 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).

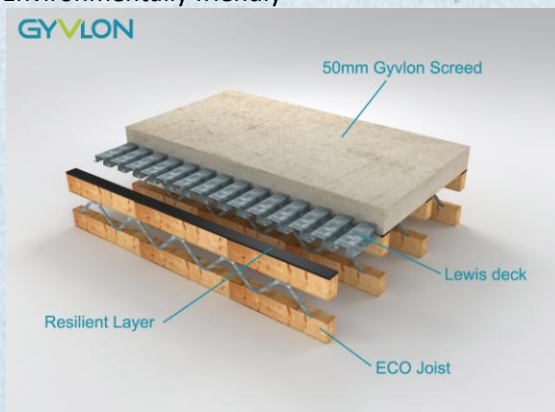
### USES

**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

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

#### Typical Screed Properties:

Compressive Strength:	C25 N/mm <sup>2</sup>
Flexural Strength:	F4 N/mm <sup>2</sup>

### 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

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 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.

# LEWIS®



## Technical Data

## GYVLON XTR

### DESCRIPTION

**GYVLON XTR FLOWING SCREED** is a blend of **GYVLON BINDER**, special additives and selected aggregates mixed with clean potable water to produce a pumpable self smoothing, flowing screed (manufactured to BSEN 13813:2002).

### USES

GYVLON XTR FLOWING SCREED is designed to provide a smooth level surface in both commercial and domestic buildings where higher than usual loadings are expected, prior to the application of final floor finishes and is particularly suitable for application as a floating screed and use in conjunction with under floor heating systems (where higher loadings are expected, special attention should be paid to the loading characteristics of the insulation being specified).

For advice on specifications and for proprietary systems contact your Gyvlon Area Technical & Specifications Manager.

### FEATURES

- Increased productivity - 2000m<sup>2</sup>/day can be easily achieved.
- Self compacting
- Self curing.
- Can be walked on in 24-48 hours.
- Can be loaded after 7 days
- Extremely low shrinkage - does not curl and minimizes the risk of cracking.
- Avoids the need for reinforcement.
- Significantly reduced thickness when compared to traditional sand - cement screed
- Large bay sizes of up to 1000m<sup>2</sup> depending on application (heated floors 300m<sup>2</sup>).
- Ideal for use with under floor heating
- Can be force dried as early as 7 days after application.
- Weight saving as a result of thinner section.
- Dries at a rate of 1mm per day up to a screed depth of 40mm in good drying conditions
- Easily achieves SR2 finish as described in BS8204.
- Protein free - cannot harbour harmful bacteria.
- Non combustible (tested to BS476 Part 4).
- Minimal Thermal expansion (0.012mm/mK).
- Excellent thermal conductivity.
- Environmentally friendly

### TECHNICAL DATA

Appearance/Colour:	Off-white fluid mortar
Water demand:	13-18 % b.w
pH:	> 10
Wet Density:	2200 kg/m <sup>3</sup>
Dry Density:	2000 kg/m <sup>3</sup>
<b>Typical Screed Properties:</b>	
Compressive Strength:	>C 35.0
Flexural Strength:	> F7.0

### MINIMUM APPLICATION THICKNESS

Bonded:	25mm
In contact with substrate:	30mm
Unbonded:	30mm
Floating Commercial:	40mm
Floating Domestic:	35mm
Under floor Heating:	25mm minimum (30mm nominal) cover to pipes, heating elements.

### DELIVERY

GYVLON XTR FLOWING SCREED is supplied ready mixed in bulk via a concrete plant and in trucks.

### HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from Lafarge on request and provided with each delivery.

### EXAMPLES OF USE

Dungeoness Research Centre	400 m <sup>2</sup>
Applegreen Service Stations, Dublin	9,000 m <sup>2</sup>
Derby Civic Centre	10,000 m <sup>2</sup>
Boys Model School, Belfast	1,200 m <sup>2</sup>