

## SUMMARY

### *Outdoor flooring in a domestic setting*

- ▶ ON OUTDOOR CEMENTITIOUS SCREED WITHOUT HEATING..... 2
- ▶ ON OUTDOOR CONCRETE SUBSTRATE..... 3
- ▶ ON OUTDOOR SUBSTRATE WATERPROOFED WITH LIQUID CEMENTITIOUS PRODUCTS 4
- ▶ ON EXISTING OUTDOOR FLOOR..... 5

### *Outdoor flooring in a public setting*

- ▶ ON OUTDOOR CEMENTITIOUS SCREED ..... 6
- ▶ ON OUTDOOR CONCRETE SUBSTRATE ..... 7
- ▶ ON OUTDOOR AREAS WATERPROOFED WITH LIQUID CEMENTITIOUS PRODUCTS..... 8
- ▶ ON OUTDOOR EXISTING TILES OR MOSAIC OR STONES..... 9

### *Outdoor flooring in a commercial - industrial setting*

- ▶ ON OUTDOOR CEMENTITIOUS SCREED WITHOUT HEATING..... 10
- ▶ ON OUTDOOR CONCRETE SUBSTRATE..... 11
- ▶ ON OUTDOOR AREAS WATERPROOFED WITH LIQUID CEMENTITIOUS PRODUCTS..... 12
- ▶ ON OUTDOOR EXISTING TILES OR MOSAIC OR STONES..... 13

### *Outdoor flooring in a domestic setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR CEMENTITIOUS SCREED WITHOUT HEATING**

Provision and installation, on outdoor **cementitious screed without heating**, of new flooring with Lapitec sintered stone (largest format of up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved deformable or highly deformable cementitious adhesive** belonging to **class C2S1/S2**, in keeping with standard EN 120004. The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed). Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the cementitious screed must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)  
Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)  
Elastic modulus (E): 60 GPa (EN 14617-2)  
Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)  
Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)  
Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$  (EN 14617-11)  
Reaction to fire: A1 (EN 13501-1)  
Resistance to acids and bases: C4 – Resistant (EN 146217-10).  
Water absorption: <0.1%  
**Slipperiness properties: R**

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump
- anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a domestic setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR CONCRETE SUBSTRATE**

Provision and installation on an outdoor **concrete substrate** of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved deformable or highly deformable cementitious adhesive** belonging to **class C2S1/S2**, in keeping with standard EN 120004. The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed). Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the concrete must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)  
Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)  
Elastic modulus (E): 60 GPa (EN 14617-2)  
Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)  
Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)  
Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$  (EN 14617-11)  
Reaction to fire: A1 (EN 13501-1)  
Resistance to acids and bases: C4 – Resistant (EN 146217-10).  
Water absorption: <0.1%  
**Slipperiness properties: R**

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump
- anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a domestic setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### **► ON OUTDOOR SUBSTRATE WATERPROOFED WITH LIQUID CEMENTITIOUS PRODUCTS**

Provision and installation on an outdoor substrate **waterproofed with liquid cementitious products** of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved cementitious adhesive** belonging to **class C2**, in keeping with standard EN 120004.

The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed).

Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the waterproof substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)

Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)

Elastic modulus (E): 60 GPa (EN 14617-2)

Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)

Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)

Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$  (EN 14617-11)

Reaction to fire: A1 (EN 13501-1)

Resistance to acids and bases: C4 – Resistant (EN 146217-10).

Water absorption: <0.1%

Slipperiness properties: R

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump
- anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a domestic setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON EXISTING OUTDOOR FLOOR**

Provision and installation on an existing outdoor floor (tiles, mosaic tiles, stones...), of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with improved cementitious adhesive belonging to class C2, in keeping with standard EN 120004.

The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed).

Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)

Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)

Elastic modulus (E): 60 GPa (EN 14617-2)

Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)

Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)

Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$  (EN 14617-11)

Reaction to fire: A1 (EN 13501-1)

Resistance to acids and bases: C4 – Resistant (EN 146217-10).

Water absorption: <0.1%

Slipperiness properties: R

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump
- anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a public setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR CEMENTITIOUS SCREED**

Provision and installation on outdoor **cementitious screed** of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved deformable or highly deformable cementitious adhesive** belonging to **class C2S1/S2**, in keeping with standard EN 120004. The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed). Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the cementitious screed must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)  
Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)  
Elastic modulus (E): 60 GPa (EN 14617-2)  
Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)  
Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)  
Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$  (EN 14617-11)  
Reaction to fire: A1 (EN 13501-1)  
Resistance to acids and bases: C4 – Resistant (EN 146217-10).  
Water absorption: <0.1%  
**Slipperiness properties: R**

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump
- anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a public setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR CONCRETE SUBSTRATE**

Provision and installation on outdoor **concrete substrate** of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved deformable or highly deformable cementitious adhesive** belonging to **class C2S1/S2**, in keeping with standard EN 120004. The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed). Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)  
Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)  
Elastic modulus (E): 60 GPa (EN 14617-2)  
Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)  
Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)  
Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$  (EN 14617-11)  
Reaction to fire: A1 (EN 13501-1)  
Resistance to acids and bases: C4 – Resistant (EN 146217-10).  
Water absorption: <0.1%  
**Slipperiness properties: R**

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a public setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ▶ **ON OUTDOOR AREAS WATERPROOFED WITH LIQUID CEMENTITIOUS PRODUCTS**

Provision and installation on outdoor **areas waterproofed with liquid cementitious products**, of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved cementitious adhesive** belonging to **class C2**, in keeping with standard EN 120004.

The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed).

Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)

Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)

Elastic modulus (E): 60 GPa (EN 14617-2)

Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)

Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)

Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$  (EN 14617-11)

Reaction to fire: A1 (EN 13501-1)

Resistance to acids and bases: C4 – Resistant (EN 146217-10).

Water absorption: <0.1%

Slipperiness properties: R

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing

the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump anything else necessary for a thoroughly complete, state-of-the-art job.



### *Outdoor flooring in a public setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR EXISTING TILES OR MOSAIC OR STONES**

Provision and installation on outdoor **existing tiles, mosaic tiles or stones**, of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved cementitious adhesive** belonging to **class C2**, in keeping with standard EN 120004.

The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed).

Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)

Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)

Elastic modulus (E): 60 GPa (EN 14617-2)

Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)

Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)

Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$  (EN 14617-11)

Reaction to fire: A1 (EN 13501-1)

Resistance to acids and bases: C4 – Resistant (EN 146217-10).

Water absorption: <0.1%

Slipperiness properties: R

The following are to be considered included in the price:

- fees and the preparation of the substrate
  - the provision and application of the adhesive
  - the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
  - any profiles in perforated brass for the separation of diverse floorings
  - the sealing of joints with the colour selected by Construction Management
  - the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a commercial - industrial setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR CEMENTITIOUS SCREED WITHOUT HEATING**

Provision and installation on outdoor **cementitious screed without heating**, of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved deformable or highly deformable cementitious adhesive** belonging to **class C2S1/S2**, in keeping with standard EN 120004.

The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed).

Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)

Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)

Elastic modulus (E): 60 GPa (EN 14617-2)

Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)

Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)

Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$  (EN 14617-11)

Reaction to fire: A1 (EN 13501-1)

Resistance to acids and bases: C4 – Resistant (EN 146217-10).

Water absorption: <0.1%

**Slipperiness properties: R**

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing

the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a commercial - industrial setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR CONCRETE SUBSTRATE**

Provision and installation on outdoor **concrete substrate** of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved deformable or highly deformable cementitious adhesive** belonging to **class C2S1/S2**, in keeping with standard EN 120004. The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed). Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)  
Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)  
Elastic modulus (E): 60 GPa (EN 14617-2)  
Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)  
Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)  
Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$  (EN 14617-11)  
Reaction to fire: A1 (EN 13501-1)  
Resistance to acids and bases: C4 – Resistant (EN 146217-10).  
Water absorption: <0.1%  
**Slipperiness properties: R**

The following are to be considered included in the price:

- fees and the preparation of the substrate
  - the provision and application of the adhesive
  - the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
  - any profiles in perforated brass for the separation of diverse floorings
  - the sealing of joints with the colour selected by Construction Management
  - the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a commercial - industrial setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR AREAS WATERPROOFED WITH LIQUID CEMENTITIOUS PRODUCTS**

Provision and installation on outdoor **areas waterproofed with liquid cementitious products**, of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved cementitious adhesive** belonging to **class C2**, in keeping with standard EN 120004.

The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed).

Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)

Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)

Elastic modulus (E): 60 GPa (EN 14617-2)

Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)

Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)

Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$  (EN 14617-11)

Reaction to fire: A1 (EN 13501-1)

Resistance to acids and bases: C4 – Resistant (EN 146217-10).

Water absorption: <0.1%

Slipperiness properties: R

The following are to be considered included in the price:

- fees and the preparation of the substrate
- the provision and application of the adhesive
- the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
- any profiles in perforated brass for the separation of diverse floorings
- the sealing of joints with the colour selected by Construction Management
- the subsequent cleaning of the surface with suitable detergents and later rinsing

the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump anything else necessary for a thoroughly complete, state-of-the-art job.

### *Outdoor flooring in a commercial - industrial setting*

## **Installation of new sintered stone flooring with adhesive and with or without reinforced mesh, up to 5,050 cm<sup>2</sup>**

### ► **ON OUTDOOR EXISTING TILES OR MOSAIC OR STONES**

Provision and installation on outdoor **existing tiles or mosaic or stones**, of new flooring with Lapitec sintered stone (largest format up to 5,050 cm<sup>2</sup>) compliant with standard \_\_\_\_\_; thickness 12, 20 mm; in the colour and finish selected by Construction Management; installed with open gaps of no less than 5 mm; maintaining a minimum gap of 5 mm from peripheral cladding (around columns, corners, wall to floor or wall to roof, stair risers...); with **improved cementitious adhesive** belonging to **class C2**, in keeping with standard EN 120004.

The adhesive surface between the slabs and the substrate has to be guaranteed at 100% (full bed).

Gaps must be sealed with improved cementitious grout, class CG2WA in compliance with standard EN 13888.

The specifications for the \_\_\_\_\_ substrate must comply with applicable standards. Before beginning the installation, the installer will need to verify suitability and ensure compliance with the requirements listed below:

- compactness
- coplanarity (on 2 m span, for adhesives of thickness >5 mm deflections of about 2 mm are permissible, for adhesives of ≤5 mm deflections of no more than 1.5 mm)
- ageing
- cleaning of surfaces (no dusts, oils, fats or dirty).

Sintered stone slabs must meet the following specifications:

Dimensions: 1,500x3,365 mm (EN 14617-16)

Density: 2,400 kg/m<sup>3</sup> (EN 14617-1)

Elastic modulus (E): 60 GPa (EN 14617-2)

Flexural strength ( $\sigma_k$ ): 42 MPa (EN 14617-2)

Compressive strength: 483 N/mm<sup>2</sup> (ASTM C170)

Linear thermal expansion coefficient:  $6.3 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$  (EN 14617-11)

Reaction to fire: A1 (EN 13501-1)

Resistance to acids and bases: C4 – Resistant (EN 146217-10).

Water absorption: <0.1%

**Slipperiness properties: R**

The following are to be considered included in the price:

- fees and the preparation of the substrate
  - the provision and application of the adhesive
  - the shaping of elastic expansion joints, forming squares where the ratio of the sides is no greater than 1.5 and with an area of no more than 16.00 m<sup>2</sup> and the sealing of these with a specific elastic sealant
  - any profiles in perforated brass for the separation of diverse floorings
  - the sealing of joints with the colour selected by Construction Management
  - the subsequent cleaning of the surface with suitable detergents and later rinsing
- the cutting, scrap removal, cleaning and removal of waste material at the end of the work, the separate collection of waste material, the final transportation and consignment to the waste dump anything else necessary for a thoroughly complete, state-of-the-art job.