

# 190 SOLEXTREME



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### PRODUCT FEATURES

- ▶ Suitable for multiple substrates
- ▶ Zero shrinkage, tension-free
- ▶ Small and large thicknesses: 1 to 30 mm in 1 single coat
- ▶ Fluid, self-levelling and pumpable
- ▶ Regular setting between 5°C and 20°C
- ▶ Suitable for anhydrite screed

### THICKNESS

- ▶ 1-30 mm

### WATER DOSAGE

- ▶ 6.75 to 7.25 litres

### CONSUMPTION

- ▶ 1.5 kg/m<sup>2</sup> per mm thickness

### REFERENCE DOCUMENTS

- ▶ Compliant with standard EN 13813

### DESCRIPTION

- **190 SOLEXTREME** is suitable for levelling uneven new or existing interior floors on premises classified as E2P3 (light traffic). It is not suitable for use on concrete slabs laid on an earth platform.
- Thanks to its excellent flowability and regular, even setting (whatever the application temperature) it is possible to obtain different thicknesses on the same application surface.
- **190 SOLEXTREME** is suitable for levelling liquid screeds, rough tamped concrete, old timber floor substrates as well as for covering semi-flexible vinyl tiles.

### USES

- Interior floors
- **PERMISSIBLE SUBSTRATES (1)**
- Liquid cement or anhydrite screed, subject to technical appraisal (with or without underfloor heating)
- Asphalt screed (Type AI 1)
- Floating cement screed
- Bonded cement screed
- Finished concrete slabs (shot-blasted or mixed with quartz sand with **533 UTAREP H80F\***)
- Pre-fabricated components
- Plasterboard screed
- Lightweight concrete and mortar  $d \geq 0.65$
- Existing tiles (2) / Sanded «tomette» tiles (2)
- Sanded paintwork (2)
- Semi-flexible vinyl tiles (2)
- Traces of adhesive (2)
- Wood panels (CTB-H/CTB-X/OSB) (2)
- Bonded parquet (2)
- Woodstrip flooring (2)
- Residual moisture content when rendering must be compliant with that specified in the relevant documents (CPT, DTU, AT) for the substrates or coverings concerned.
- **For all other substrates:** please contact us directly for further advice.

### ■ SUITABLE COVERING MATERIALS (3)

- Carpet
- Flexible vinyl sheet coverings
- Semi-flexible vinyl tiles
- Bonded parquet flooring
- Tiles

### SPECIFICATIONS

- **Appearance:** cream-coloured powder
- **Apparent powder density:**  $1 \pm 0.1$
- **Particle size:** 0 to 0.5 mm
- **Composition:** hydraulic binders, mineral fillers and special additives

### PERFORMANCES (4)

- **Self-levelling capacity:** up to 30 mm
  - **Mixture pot life:** 40 min  $\pm$  5 min
  - **Return to service (light traffic):** 3 hrs
  - **Covering times will vary depending on:**
    - thickness of product applied
    - atmospheric conditions (temperature & humidity)
    - type of floor covering
- Please refer to the tables below
- **Initial bonding at 28 days:** > 1 MPa

### INSTRUCTIONS

Please refer to building instructions in force for details of specific regulations for product application (e.g. CPT and DTU in France).

#### ■ SUBSTRATE PREPARATION

- Substrates must be compliant with building regulations in force (DTU, CPT).
- Substrates must be clean, solid, sound and free of cracks, oil and traces of plaster, wax and any other product which may affect bonding.
- Scrape, brush off or vacuum clean all traces of plaster, laitance, paint, adhesive, wall and rendering mortar.
- Substrates bearing excessive traces of wax, grease or paint must be stripped.
- In all cases, substrates must be dust-free.

#### Instructions for heated flooring

- Shut down underfloor heating 48 hours before application.
- Underfloor heating can be gradually turned back on again 48 hours after laying the floor covering.

#### Preparation on anhydrite screed

- Check the moisture content of the screed before covering: 1% before tile or textile covering in E1 premises, 0.5% before parquet, PVC and tiling in E2 premises after protection of bases with **596 PROLICOAT\***.
- Ensure substrate is sand and dust free before application of **190 SOLEXTREME** (follow screed manufacturer's recommendations).

#### ■ PRODUCT PREPARATION

- Mix one 25 kg bag of **190 SOLEXTREME** with 7 litres of clean water, i.e. 28% water content, to obtain a thick, smooth and lump free paste.
- Use a high speed electric mixer.
- Leave the mixture to stand for 3 minutes.
- Re-mix prior to application.

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## FOR BEST RESULTS

- ▶ Prepare the substrate well to ensure that it is sound, clean and dust free.
- ▶ For best product performance always follow the recommended mixing rate.
- ▶ Protect from draughts and the sun for the first few hours.
- ▶ In cold temperatures use water above +10°C for mixing.
- ▶ Never apply 190 SOLEXTREME to a cement-based levelling mortar, adhesive or other product without applying a suitable primer first.
- ▶ Do not apply a cement-based levelling mortar on top of 190 SOLEXTREME.

## PACKAGING

- ▶ 25 kg bag
- ▶ 48 x 25 kg bags (1 200 kg)

## STORAGE

- ▶ **6 months** from date of manufacture if stored in unopened original packing in frost-free conditions

## WARRANTY

- ▶ Manufacturer's liability

## ■ APPLICATION

### Manual application

- Provide separation using a compressible strip of at least 3mm thick around the edges of the room and to any pillars or columns.
- Spread the product immediately using a stainless steel float with large backward and forward strokes.
- On forward strokes hold the float almost vertically in order to remove air bubbles and on backward strokes use almost horizontally to obtain the required thickness.
- Use a spiked roller to help remove air bubbles, ensure an even spread of the mortar and prevent the appearance of pick-up marks between two mixes.

### Application with a mortar spreading machine

- Check local power supply: 16 amp minimum.
- Check that there is a sufficient and uninterrupted water supply.
- Check viscosity of 190 SOLEXTREME: approx. 150 mm of spread (cylindrical mould 50 mm internal height and 30 mm internal diameter).

### Indicative drying times before applying a floor finish

	Adhesive, no primer, with 556	124 + C2 or C2S adhesive mortar	Adhesive + PVC	Adhesive + wood-base flooring
<b>Thickness</b>	<b>Application on existing tiles</b>			
5 mm	24 hours	24 hours	48 hours	48 hours
15 mm	5 days	7 days	15 days	15 days
30 mm	20 days	25 days	30 days	30 days
<b>Thickness</b>	<b>Application on anhydrite screed</b>			
5 mm	24 hours	24 hours	48 hours	48 hours
15 mm	4 days	6 days	15 days	15 days
30 mm	15 days	20 days	30 days	30 days

### Primer guide

Substrate type	Suitable primer		
	124 PROLIPRIM	163 OMNISOL	165 PROLIPRIM UNIVERSEL
Woodstrip flooring		■	
Other permissible wood		■	■
Lightweight concrete	■		■
Porous	■		■
Absorbent	■	■	■
Smooth or sealed		■	■

Cover the primer within 24 hours, or apply a new coat of primer. Check primer is touch-dry, but not completely dry before covering.

## PRECAUTIONS

- Temperature range for use: 5°C to 30°C.
- Reserved for use in premises classed as E2P3.
- Never apply 190 SOLEXTREME to a cement-based levelling mortar, adhesive or other product without applying a suitable primer first.
- Do not apply a cement-based levelling mortar on top of 190 SOLEXTREME.
- Refer to the Safety Data Sheet before use.

## Suitable primers and adhesives for use before laying floor coverings

- For carpet, flexible plastic, plastic tiles or wooden parquet: adhesives may be used on dry 190 SOLEXTREME without a primer.
- For tiles, 190 SOLEXTREME can once dry be covered with:
  - 556 PROLIFLUIDE ANHYDRITE without primer,
  - or, 124 PROLIPRIM\* or 165 PROLIPRIM UNIVERSEL\* followed by a cement-based adhesive.

## Permissible thicknesses

- **P2 premises (light traffic - domestic):** 1 to 30 mm
- **P3 premises (medium traffic - public offices, light commercial):** 3 to 30 mm
- **Spot repairs:** up to 40mm with addition of sand
- **Wooden flooring:** 5 mm minimum

**TECHNICAL ASSISTANCE:** ParexGroup S.A. will, on request, provide information and assistance to companies in relation to the specific use of a product. Such assistance shall not be assimilated with structural design and conception, nor the compliance of substrates, nor as a control of usage rules in force.

**TECHNICAL DATA SHEET ISSUED - September 2017**

The information provided in this document results from our knowledge of the products and our experience. Prior to application, customers and users are requested to check that they are in possession of the latest version of this document. Please check for updates at [www.parexlanko.com](http://www.parexlanko.com)

**PAREXGROUP S.A.** 19 place de la Résistance - CS 50053  
92445 Issy-les-Moulineaux Cedex - Tél. (33) 01 41 17 20 00  
Technical information : 0 826 08 68 78 (0,15 €/min + phone call price)

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