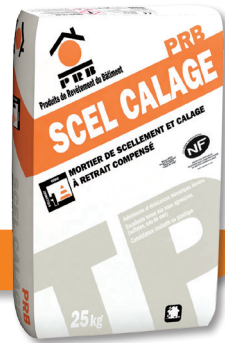


PRB SCEL CALAGE

SHRINKAGE-COMPENSATING SEALING & BEDDING MORTAR



The **+** s of PRB SCEL CALAGE

- +** Excellent adhesion and high mechanical strength
- +** Extremely resistant to aggressive water (sulphates, seawater, etc.)
- +** Fluid or plastic consistency
- +** Suitable for large-scale sealing and wedging applications



EN 1504-6 (sealing)
Complies with the NF P18-821 (bedding) standard: category 8



NF030 label
"Sealing compound"
NF030 label
"Bedding product"



PACKAGING

– Paper bag containing 25kg.

STORAGE LIFE:

12 months.

CONSUMPTION/USE

– For sealing: 2.3 kg/m²/mm.
– For bedding & wedging: 2.1 kg/m²/mm.

COLOUR: Grey.



APPLICATIONS

USES

- Assembling steel bars for reinforced concrete.
- Wedging heavy equipment.
- Sealing and setting steel bars, construction posts, railway rails, etc.
- Underpinning.

- Suitable for use in ponds and swimming pools.

SUITABLE SUBSTRATES

- Concrete.

UNSUITABLE SUBSTRATES

Do not apply to:

- Unstable or brittle substrates.
- Cellular concrete.
- Gypsum-based substrates.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, hot or damp surfaces. Do not apply to surfaces in full sunlight or during heavy rain and strong winds. Do not apply if there is a risk of frost or freezing temperatures within the next 24 hrs.

TECHNICAL CHARACTERISTICS

The NF030 certified characteristics are measured at a mixing ratio of:
- 12% for sealing and setting
- 16% for bedding and wedging

INGREDIENTS

- Fluid binders.
- Fillers.
- Specific additives.
- Setting agent.

PRODUCT

- Grain size: <3.15 mm
- pH (alkaline): 12.5 ± 0.5.
- Manipulation time @ 20°C:
- for bedding & wedging: approx. 1.5 hrs,
- for sealing: approx. 1 hour.
- Application thickness: 10 to 100 mm.

- Setting time:

Setting time*	Sealing consistency	Bedding consistency
Starts to set	7 hrs ± 4	10 hrs ± 4
Fully set	9 hrs ± 4	13 hrs ± 4

Performance when hardened Complies with the NF EN 1504-6 standard.

- 7-day pull-out resistance (ceiling): displacement ≤ 0.6 mm with a force of 75 kN.
- Chloride ion content: ≤ 0.05%
- Reaction to fire: A1.

Test of suitability for installation according to the NF P18-832 standard (bedding product): surface bubbles <5%.

Compressive strength*	Sealing consistency	Bedding consistency
24 hrs	≥ 35 MPa	≥ 15 MPa
28 days	≥ 70 MPa	≥ 60 MPa

Flexural strength*	Sealing consistency	Bedding consistency
24 hrs	≥ 5 MPa	≥ 4 MPa
28 days	≥ 10 MPa	≥ 8 MPa

* These values are estimates based on laboratory tests carried out in accordance with the applicable technical guidelines. The application conditions can significantly change these values. These times are based on an ambient temperature of 20°C. They will be longer at lower temperatures and shorter at higher temperatures

UTILISATION

Please refer to the PRB Process Sheets

PREPARING THE SUBSTRATE

- Surfaces must be resistant, adherent, rough, clean and free of dust. They should have a minimum coherence of at least 1 MPa in direct tension.
- Remove defective, non-coherent parts and consolidate by staking.
- Moisten the substrate a few hours before application. Leave the concrete to bleed. Ensure that there are no water patches on the surface when applying.

- Metal parts must be clean and free of rust. Remove rust from the metal parts by brushing or sandblasting and then treat them with PRB PASSIVANT ACIER and leave to dry.

- For bedding or wedging, install shuttering and leave a gap of about 5 cm between the plate to be fixed and the shuttering.

- For sealing, make a hole with a diameter at least 20 mm greater than that of the rod/pole/bar to be sealed. The depth of embedding should be at least 10 times the diameter of the element to be sealed.

PREPARING THE PRODUCT

- For sealing: mix 1 x 25 kg bag with 2.75 to 3.25 L of clean water.
- For bedding or wedging: mix 1 x 25 kg bag with 3.75 to 4.25 L of clean water.

APPLICATION

- **Bedding & wedging:** The mortar is poured from one side only - continuously to avoid air pockets.

- **Sealing:** Fill the hole with mortar and position the element to be sealed. It must remain fixed in place until the mortar has set.

- Ensure that the mortar is protected from direct sunlight and wind while setting.

- For large-scale wedging or sealing applications, or for thicknesses greater than 100 mm, 1/3 dry, non-porous aggregates with a grain size of 4/8 or 4/10 mm (not certified) can be added to the mortar.

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Please read the packaging safety label and safety data sheet before use.
- Please respect the applicable regulations.