

## Procon Rapid Strength

A new rapid hardening concrete solution that can help **save valuable hours.**



In an ever more demanding and extremely competitive environment, with tight deadlines and even tighter margins, speed and efficiency which save time are critical. Procon Rapid Strength, is a new rapid hardening concrete solution that can help save valuable hours.

Procon Rapid Strength has similar characteristics to conventional concrete but it reaches accelerated strength after just four hours and still maintains initial flow properties and workability for up to 120 minutes. Formwork can be stripped after only six hours, saving time and money.

It is an ideal solution for projects such as road and rail renovation, where the use of Procon Rapid Strength could help minimise traffic restrictions.

The properties of Procon Rapid Strength are the result of a carefully selected combination of specialist admixtures combined with expert mix design.

Procon Rapid Strength has been launched nationally, as it produces consistent results using a broad variety of cements. Procon Rapid Strength is suitable for use in both readymix and precast applications.

## Advantages of Procon Rapid Strength

- » Formwork can be stripped after 6 hours
- » Concrete strengths of up to 40N/mm<sup>2</sup> are achievable at just 24 hours
- » Rapid construction programmes are easily achieved
- » Concrete poured in winter achieves the required strength faster to avoid frost damage
- » Ultimate design strengths are normally achieved in less than 7 days
- » Procon Rapid Strength can be designed to achieve a range of end performance characteristics
- » Faster slip form casting times
- » The concrete is easy to compact and finish

## Technical Data

### Characteristics

- » Procon Rapid Strength complies with BS EN 206-1 and BS 8500-2
- » Procon Rapid Strength is available in a range of compressive strength classes
- » Procon Rapid Strength can be designed to meet a wide range of exposure classes
- » Procon Rapid Strength is generally supplied at S3 consistence class or higher
- » Consistence is maintained for up to 120 minutes
- » Procon Rapid Strength is suitable for pumping

### Performance

- » High early strengths allowing formwork removal 6hrs after delivery
- » Rapid strength development allowing foot traffic to slabs within 6 hours and vehicle traffic after 24 Hours
- » Workability maintained for >90 minutes

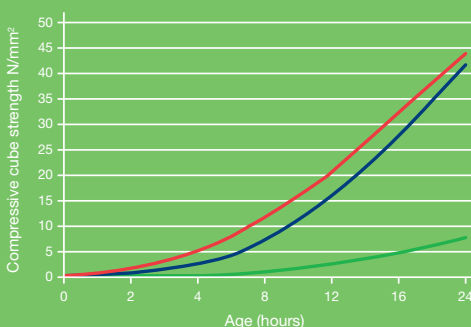
### Benefits

- » Fast formwork removal leading to increased productivity
- » Cost savings
  - Reduced labour cost
  - reduced rental cost for construction equipment
  - no more delays on-site
- » A unique concrete solution that existing products cannot provide

### Applications

Procon Rapid Strength is a product for a broad range of specific applications:

- » Fast demolding
  - in buildings: columns, walls, beams, slabs, panels
  - in civil engineering: high walls, tunnels, roads
- » Easy handling
  - in precast facilities: beams, panels, specific elements
- » Renovation and repair
  - an ideal solution where there is limited time to carry out renovation or repair of structures, slabs or pavements in a wide variety of applications



— Procon Rapid Strength — Promptis XR — Control