

# HIGH-STRENGTH 36 CONCRETE



Drymix Hi-Strength Concrete is for the projects where structural strength to 36 MPa is required, i.e. steps, slabs, driveways, footings, corner posts or any job specified for strength up to 36 MPa.

Ph: **0800 379 746** [www.drymix.co.nz](http://www.drymix.co.nz)



**HI-STRENGTH 36** ready-to-use concrete is a carefully proportioned blend of high quality materials including rounded river run sands and aggregates, Portland cement and special concrete admixtures. After mixing with water, **HI-STRENGTH 36** is designed to produce a concrete mix that's easy to work with and provides excellent strength. The performance and convenience of **HI-STRENGTH 36** make it particularly suited for concrete jobs, i.e. steps, slabs, driveways, footings, corner posts or any job specified for strength up to 36 MPa.

When mixed according to these instructions, **HI-STRENGTH 36** concrete will exceed a 28 day compressive strength of 36 MPa.

## STRENGTHS

When used with the maximum of 2.6 litres of water per bag, the following strengths can be achieved:

1 day 10 MPa                      3 days 26 MPa                      28 days 36 MPa

Variations to the above are subject to temperature. All testing is done with a slump of 120mm.

## QUANTITIES

The addition of 2.6 litres of water to a 30kg bag of **HI-STRENGTH 36** will produce around 11.5 litres of concrete, enough for a rectangular slab measuring 1000 x 300 x 50mm or its equivalent.

### Avoid Excess Water

Excess water reduces durability and strength.

## MIXING INSTRUCTIONS

### Concrete Mixer



1. Put most of the 2.6 litres of water per 30kg bag of **HI-STRENGTH 36** into the mixer bowl and start mixer.
2. Gradually add the **HI-STRENGTH 36** while the mixer is rotating.
3. Add the remaining water only if necessary.

### Hand Mixing



1. Empty the **HI-STRENGTH 36** into a wheelbarrow, bucket or flat clean surface. Measure 2.6 litres of clean water per 30kg bag.
2. Gradually add the water in stages, mixing thoroughly with a spade or similar after each addition of water.
3. Check the consistency of the concrete. Use no more water than is necessary to allow the concrete to be easily placed and finished.

## HANDY TIPS

- Mix the concrete thoroughly to a uniform colour and consistency.
- Place the concrete carefully and compact thoroughly.
- Finish to the desired texture, taking care not to over-trowel the surface.
- Protect the concrete by keeping it continually moist for at least 7 days.

## STORAGE

Keep dry and store off the ground.