

# How to Choose the Correct Concrete



## What is Concrete?

- A proportioned blend of: Sand, Aggregate (blue metal) and Portland Cement
- Depending on the concrete mix, other additives can also be included
- Once dried, the strength of concrete is measured in MPa, the higher the MPa the stronger the concrete

## How much Concrete will I require?

- Generally 1 x 20kg bag when mixed with water will equal approximately 0.01m<sup>3</sup>
- This equates to just over 100 bags per cubic metre

## How long does Concrete take to dry?

- Typical concrete will begin to harden in 4-5 hours and be of reasonable strength in 24-72 hours
- At this time you can walk on it but not park a car
- Final strength is achieved after 28 days, unless using specialised concretes with high early strengths, such as Westbuild Structural24

## Can I lay my own concrete successfully?

- Yes and achieve a strong, long lasting finish
- You will need to ensure you have all tools required and sufficient materials and labor to ensure your Concrete is placed and finished correctly

## What if I have a question?

- Please call Westbuild on 08 9309 2029



## Kwikset

- Ideal for setting posts in concrete
- Works for all post types including timber and steel
- Non-structural use
- Starts to set within 15 mins
- Final strength after 7 days
- **Typical strength up to 15MPa**



## GP Concrete

- Ideal for any general concrete repairs or works
- Paths, walkways, shed floors and all other uses
- Can be used in structural applications
- Reasonable strength in 2-3 days
- Final strength in 28 days
- **Typical strength up to 25MPa**



## Concrete40

- Ideal for high strength concrete requirements
- High wear characteristics
- Typically used where high load anchoring or fixing is required
- Initial set 3-4 hours
- Final strength in 28 days
- **Typical strength up to 40MPa**



## Structural24

- Fast Setting Rapid Strength Concrete
- Structural strength in 24 hours
- Used for footings, anchoring where high early strength is required
- Initial set 30-40 minutes
- Extremely high strengths reached in 72 hours
- **Typical strength up to 50MPa**

## Typical Properties

Application	Kwikset	GP Concrete	Concrete40	Structural24
<b>New Concrete</b>				
Installing posts	✓✓✓	✓✓	✓✓	✓
Concrete Footings		✓✓	✓✓	✓
Paths & Walkways		✓✓✓	✓✓✓	✓
<b>Repairs</b>				
Paths		✓✓	✓✓✓	✓
House Slab		✓✓✓	✓✓	✓
Warehouse floor			✓✓	✓✓✓
<b>Commercial &amp; Industrial</b>				
High abrasion resistance		✓	✓✓	✓✓✓
Increased compressive strength		✓	✓✓	✓✓✓
High Load Anchoring			✓✓	✓✓✓
High Early Strength	✓			✓✓✓



If you require any assistance with this product, its installation or any other Westbuild product, please feel free to contact Westbuild on 08 9309 2029.