

Technical Data Sheet

FAST 2K

January 2012
For worldwide use

Fence Post Composite Backfill

Product Description

Fast 2K™ is a composite material that backfills a fence post without water. It is a high strength alternative to concrete and sets in less than 5 minutes. Because of its expanding nature, 1.5 kg of the composite are equivalent to approximately 50 - 60 kg of cement.

Fast 2K™ is a hydrophobic (insensitive to water) two-part polyurethane composite backfill that expands to fill the peripheral void between a fence post and the hole. Fast 2K™ expands immediately after mixing and reaches 50% of full strength in approximately 3 minutes. In approximately 15-30 minutes Fast 2K™ will already be quite hard. Fences or gates can be installed after the product completely sets in approximately 2 hours.

Fast 2K™ can be used to install many different types of posts such as fence posts, road and construction signs, as well as mail boxes and light poles.

Features and Benefits

EASY

- EVERYTHING required for post installation is in the Fast 2K™ kit
- No water required
- No more handling heavy bags of cement from hole to hole: due to its expanding nature, 1.5 kg of Fast 2K™ are equivalent to approximately 50-60 kg of cement
- Fast 2K™ significantly reduces labour requirements as no additional backfilling is required

STRONG

- High strength expanding composite: Fast 2K™ compressive strength is much higher than tamped soil
- Adheres to wood, vinyl and metals posts better than concrete
- Because it is poured in liquid format into the hole, Fast 2K™ penetrates the soil better than concrete, providing a superior anchoring for the post
- Due to its hydrophobic (insensitive to water) nature, the composite bond to a wood post reduces the risk of post deterioration at its most vulnerable location, 30 cm below the surface, by providing a barrier between the wood and the water

FAST

- Sets posts in as little as 5 minutes: eliminates the time spent forming, pouring and curing concrete
- "Rain friendly": because of its fast setting nature, Fast 2K™ is rain proof in a few minutes contrary to concrete

Packaging

Fast 2K™ is available in standard and large kits. Kits contain Part A and Part B that are mixed on the job site for 20-30 seconds before pouring the mixed material into the hole.

A standard kit (Part A & Part B) comes in a convenient divided bag and has approximately enough material to set either a 10cmx10cm post into an 20cm by 90 cm deep hole or two 10cmx10cm posts into an 20cm by 60cm deep. A Fast 2K™ standard kit fills a volume of approximately 0.02 m³. Large kits come in 22.5L pails and can set approximately 30 10cmx10cm posts in 20cm x 90 cm deep holes.

- One standard kit will fill a 0.02 m³ volume = approximately 1 10cm x 10cm post in an 20cm x 90cm hole
- One large kit will fill 0.065 m³ volume = approximately 30 10cm x 10cm posts in an 20cm x 90cm hole

Standard kits: 8 kits per case, 72 cases per pallet. (Ideal for approx. 576 posts – 10cmx10cm post on a 20cmx82.5cm deep hole)

Large kits: 18 kits per pallet (ideal for approx. 540 posts – 10cm x 10cm post on a 20cm x 82.5cm deep hole)



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MATERIAL PROPERTIES (77°F/ 25°C)		
Property	Value	Test Method*
Colour: Part A Part B Mixed	Grey Dark brown Light Grey	Visual
Mix time	20 - 30 seconds	
Rise time	1.5 – 2.0 minutes	ASTM D2237
Set time	3 – 5 minutes	
Full strength	2 hours	
Water absorption	<0.02%	
Chemical Resistance:		ASTM D543
Water	Excellent	
Gasoline	Excellent	
Diesel fuel	Excellent	
Sulphuric acid 20%	Excellent	
Hydrochloric acid 20%	Excellent	
Ammonium hydroxide 10%	Good	
Sodium hydroxide, conc.	Good	

NOTE: The performance data, identified above are typical for drill mixed material, but are not intended for use as specifications due to variations in testing conditions.

Storage & Shelf Life

Shelf life is one year from date of manufacture.

Fast 2K™ can be used outside in summer and winter, even when temperatures are as low as -30°C or as high as 38°C. However, the Fast 2K™ kit must be climatized at 18°C - 25°C for at least two hours before installation. For more detailed installation instructions, consult the Fast 2K™ Instruction Sheet or contact a Chemque representative.

Clean Up

Using Chemque's Fast 2K™ Remover and a soft cloth, carefully remove any Fast 2K™ smudges from the post surface as well as tools and equipment **before Fast 2K™ dries**. After Fast 2K™ dries, it can only be removed mechanically with sand paper or a utility knife which may damage the post.

For More Information Please Contact Our Distributor



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