

Kemcrete 101 Acc

Accelerated Shot Crete Mortar.

Description	It is a pre-blended, pre-packed dry process accelerated shot Crete material containing O.P.C, silica fume, set time accelerator, blended aggregates and selected additives. It has greatly enhanced shooting characteristics and provide reduced setting times. It complies with the ASTM C-1604, C-78, C-666, C -157.
Where to use	• Rehabilitation of concrete bridges, dam's reservoirs, tunnels, marine structures and parking decks. • Lining of sewers. • New constructions as slope stabilization and tunnel lining.
Advantages	• Very low permeability. • Low shrinkage. • Resistant to sulphate attack. • Resistant to water washout. • Excellent adhesion and cohesion plastic properties. • Superior ability to build greater thickness in one pass for vertical and overhead jobs. • Reduced rebound. • High early strength
Properties	
Form	Powder
Wet Density	2 ±0.2 Kg /L
Compressive Strength	7 Days 41 Mpa 28 Day 50 - 60 MPa
Bond Strength	3 - 3.5 MPa
Flexural Strength 28 day	6 - 8 MPa
Drying Shrinkage	900 micron/Lm
Layer Thickness	10 - 15 cm /one pass
Surface Preparation	• All surfaces must be free from dust, oil, grease and foreign materials. • Remove all loose concrete providing rough surface with 20mm. clearance behind corroded rebar. • Saw the perimeter of the repair area a min. 20mm. • Clean with potable water, leaving the concrete saturated.
Application	• The material is applied by any kind of dry spraying machines. • The material is formulated to be sprayed with W/C ratio between 0.35 - 4. • For vertical application, there is no limit for layer thickness. • For overhead jobs, it should be sprayed in layer thickness (10 - 15 cm) in one pass. • After spraying, immediately screed off and trowel. • Apply when temperature is between +5 °C to + 30 °C
Packaging	30 Kg Sacks
Theoretical coverage	20 Kg /m ² / 10 mm thickness.

Shelf life & Storage	One year in its original unopened packs stored in dry conditions.
Health and Safety	• Kemcrete101 ACC is non-toxic. Any splashes to the skin should be washed immediately with water. • Splashes to the eyes should be washed immediately with water and medical advice should be sought.
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.