

# Drilling Fluids - Specialty Products

## Ambex Anchoring Capsules



Product #	Product Name	Size
420-25	AMBEX AAC™ anchoring capsules	25mm/1"x300mm/ 12" ; 42 capsules per bag
420-25B	Cement Fondu® (Calcium Aluminate Cement)	25kg bag
420-25C	Cement Fondu® (Calcium Aluminate Cement)	94 lb. bag

## Advantages

- Simple and economical
- Easy to install
- No product mixing on site
- No special tools and equipment required
- High early strengths
- Can be installed in cold weather at -17°C (0°F)
- Stable water/cement ratio
- No toxic emanation or fumes
- Environmentally friendly
- Does not contain calcium chloride
- Can be used underwater

AMBEX AAC™ anchoring capsules are a cementitious non-shrink grout. In loose form the grout is known in the mining industry as "Ciment Fondu®" and is used to grout plugs for exploratory holes. Encapsulated in a water permeable wrapping, Ambex AAC™ anchoring capsules are filled with a dry pre-mixed cement grout. Once the grout capsule is saturated in water it becomes a fast setting thixotropic grout, easily inserted in the anchoring hole. Ambex AAC™ contains a mix of calcium aluminate cement, screened sand and selected additives.

### Packaging and Storage

See above chart for packaging. Store in a dry area where there is no humidity or freezing. Shelf life up to 2 years if well protected.

### Technical Information

Water/Cement Ratio	0.32 / 0.32
Net Weight: AAC-25	±240 g / ±0.5 lbs
Density (dry)	1.5-1.7 g/cm <sup>3</sup> / 93.6-106.1 lbs/ft <sup>3</sup>
Compressive strength (28 days)	48.2 MPa / 6990 psi
Creep Test	Exceeds requirements
Soaking time	1 to 2 min
Working time 20° C / 68° F	10 min
Initial setting time	6 min
Final setting time	26 min
Expansion	0.05%
Freeze-thaw resistance	100%

Tests performed by independent laboratories.

