

Advice for concreting in cold weather

- Concrete should not be poured in when temperature is less than 5°C unless the temperature is rising
- Cover fresh concrete during & after the pour with a Thermal blanket to avoid freeze-thaw damage, when fresh concrete Freezes hydration stops and strength development is seriously impaired. Fresh concrete frozen during the first 24 hours can lose up to 50% of its 28 day strength
- If a thermal blanket is not available plastic sheeting can be used but this will not insulate the fresh concrete
  - It is important to erect a wind block around the fresh concrete to deflect the wind chill away from the curing concrete
- Set Accelerators are advisable in cold weather conditions, this helps speed up curing times allowing the Hydration period to begin at an earlier stage than standard concrete
- Fresh concrete must not be poured directly onto fresh snow or ice, and surface fresh concrete comes into contact with must be 0°C or above this includes any rebar or metal formwork
- If temperature is below 5°C this must be noted on drivers delivery invoice/ticket

Set Accelerators are available with our concrete from £10 Per M<sup>3</sup>