

Curing, Sealing, & Cutting

Research done by Terry Bryan

Sealing & Curing

- We have come to a conclusion as to how we will cure and seal our concrete:
 - We will spray Quickcrete Cure & Seal generously as soon as the slab is hard enough to walk on without leaving impressions.
 - The water based clear acrylic compound comes in 1 gal. and covers 150-200 sf and will be plenty for our 120 sf slab.
 - The cost of this compound is \$25.99 at Russell Supply.
 - We will also need to purchase a sprayer to discharge the compound. Using this compound will eliminate the need for water curing and will also protect and seal from acids, grease, oils, food stains, salt and more.

Cutting

- After research on cutting control joints in a slab on grade we have come to a conclusion for this as well:
- We will dry cut the slab with a skill saw and diamond blade seven days after the concrete is poured and curing compound applied.

- For each 10'x40' strip, we will be making 3 cuts and creating 4 squares in each strip.
- Each cut depth will be 25% of the depth of the slab.
- With a 4" deep slab each cut will be 1" deep.
- We recommend renting a Skill Saw and budgeting for the purchase of 2 MK Diamond blades. Each MK Diamond blade is \$68 at Home Depot.
- Cutting control joints in the slab will hopefully control where the breaks in the slab take place.
- During the cutting, the person operating the saw will need a respirator (not a dust mask) and the respirator must be fit tested. The dust area must be cleared to limit the exposure of dust to only the operator.