



CONCRETE BEST PRACTICES

RESIDENTIAL CONCRETE FLATWORK

Are you thinking about adding a new concrete driveway, walkway or garage slab to your home? Follow these recommended procedures for placement and curing to help ensure you have a quality product that will last for years.

WHY USE DURA-MIX®

You should choose a concrete mix that will yield excellent results and last. Concrete Alberta recognizes Dura-Mix® as the quality standard for concrete, here's why:

- Dura-Mix® provides finishers with a workable, quality product.
- Dura-Mix® reduces unwanted call backs for concrete issues.

Dura-Mix® concrete will meet the following minimum standards:

- Portland/Portland Limestone cement content of 300kg/m³.
- Slump range of 80+/-30 mm.
- Maximum water to cementing materials ratio of w/cm 0.45.
- Air entrainment with a total air content of 5 - 8%.



Dura-Mix® meets the requirements of CSA A23.1 and Alberta Building Code for C2 Exposure Class required for residential concrete. Dura-Mix® is a registered trademark of the Alberta Ready Mixed Concrete Association (Concrete Alberta) and is only supplied by Concrete Alberta certified and self-certified Members of Concrete Alberta.

CURING FOR STRENGTH AND DURABILITY



- Provide moist curing or apply a curing compound immediately after final finish.
- Keep concrete temperature at 10°C or warmer for at least 7 days.
- If air temperature is forecast to drop below 5°C, protect the surface with insulating blankets.
- Allow concrete to dry for a month following the curing period before exposing to freeze thaw in the presence of de-icer salts.
- For best results apply a high-quality penetrating silane siloxane sealer to the concrete after the maturing (drying) period.*

CONSULT WITH TRUSTED SPECIALISTS

For a comprehensive list of Concrete Alberta Producers, Construction Placing and Finishing and other Specialists, see our Digital Membership Directory:

www.concretealberta.ca/digital-membership-directory

* Follow all product manufacturers recommendations for proper surface preparation and sealing. The sealer selected should be compatible with the method of curing initially applied.