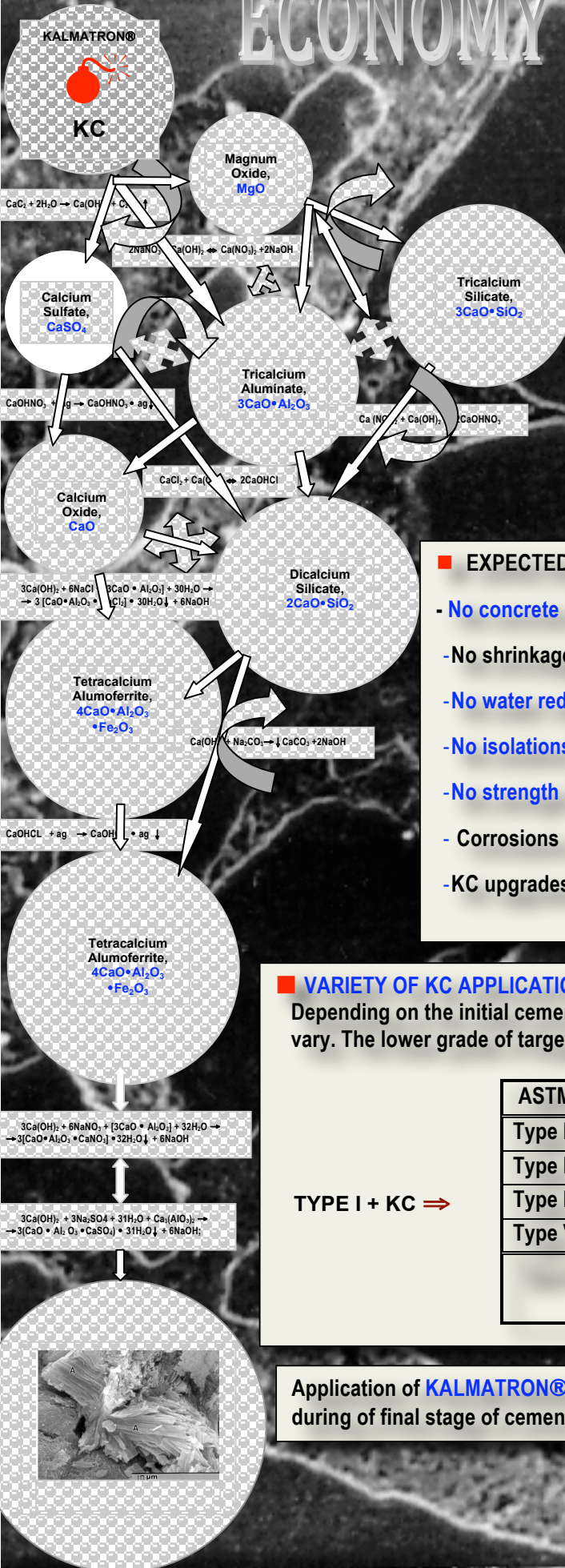


ECONOMY ON CLINKER



KALMATRON® KC - is an admixture for the low grades of the Portland cements for upgrading to the next type, which depends on mineralogical content of the cement.

Designed as an activator of oxidation, **KC** provides highest volume of cement hydration with advantages of the High Performance and micro cements.

Clinker is the most valuable cementitious ingredient of cement. **KC** admixture may reduce clinker content up to 40% without affection of concrete rheological properties. For some cement's mineralogical content **KC** increases concrete density and strength despite on clinker

■ EXPECTED RESULTS

- No concrete curing is required.
- No shrinkage cracks and slab's curling. No fibers are required.
- No water reducer or plasticizer is required.
- No isolations are required.
- No strength gainer is required.
- Corrosions resistant due to completed hydration of cement grains.
- **KC** upgrades Ordinary Concrete up to High Performance Concrete.

■ VARIETY OF KC APPLICATION

Depending on the initial cement quality, the results of selective tests in a laboratory may vary. The lower grade of targeted cement, the better **KC** will perform.

TYPE I + KC ⇒

ASTM Types	Enhancing of Type I up to modification of:
Type II	Modified Portland
Type III	Rapid Hardening, High Strength
Type IV	Low Heat Portland
Type V	Sulfate Resistance
	High Alumina Cement
	Fine and up to Micro Cements

Application of **KALMATRON® KC** on the cement production plant must be provided during of final stage of cement production only, i.e. mixing of the cooled ingredients.

