

1998 NOVA AWARD WINNER**Soff-Cut® System for Concrete Slab Control Joints**

The Soff-Cut® system uses a patented technology for controlling random cracking in concrete slabs and pavements. The system allows early-entry, dry cut sawing of concrete joints. It is user friendly, is environmentally safe, and promotes low maintenance. During the cutting process for controlling cracks in newly poured and finished concrete, a skid plate contacts the surface of the concrete adjacent to the saw blade. A special diamond blade cuts the aggregate at high speed without disturbing the aggregate inside the joint or on the surface. Only a dry powder that does not stick to the concrete is left on each side of the cut. The early use of this patented technology causes no chipping or spalling of the surface. This timing of the early-entry cutting process allows joints to be in place prior to development of major stresses in the concrete. It also increases the probability of cracks forming at the joint instead of the concrete seeking its own relief by forming a random crack on the surface.

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