

SafeTcrete®

Maximum Performance Fiber

Comparative performance of concrete reinforced with steel rebar versus SafeTcrete® fiber in controlled impact testing.



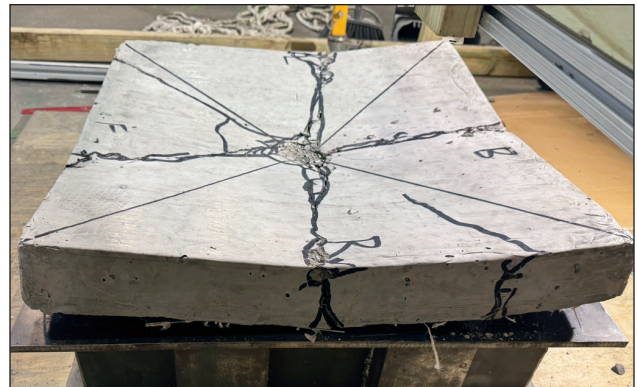
1st impact: 54 lb. weight. 8' drop on concrete reinforced with steel rebar, 12" center. Minor fissures appear on all edges. Slight chipping on back.



1st impact: 54 lb. weight. 8' drop on concrete reinforced with SafeTcrete fiber. No rebar. Minor fissures appear on all edges and top.



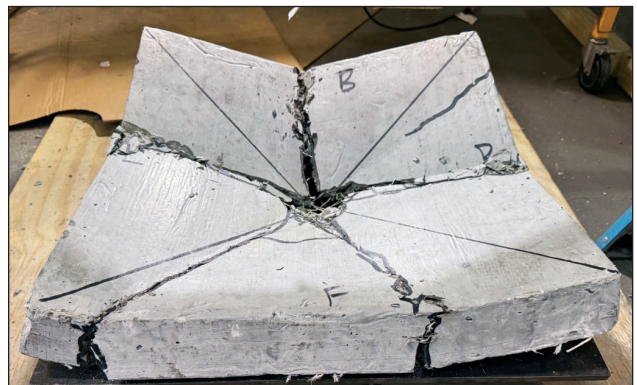
3rd impact: 54 lb. weight. 8' drop on concrete reinforced with steel rebar, 12" center. More fissures. Some have become significant crevices, extending across top to join others. Some fragmentation has occurred leaving two corners detached from the slab.



3rd impact: 54 lb. weight. 8' drop on concrete reinforced with SafeTcrete fiber. No rebar. More fissures. Some significant crevices. No fragmentation.



4th impact: 54 lb. weight. 8' drop on concrete reinforced with steel rebar, 12" center. Complete failure by fragmentation. Large pieces ejected from all sides.



4th impact: 54 lb. weight. 8' drop on concrete reinforced with SafeTcrete fiber. No rebar. No fragmentation. Slab has failed by distortion. Though concrete has completely separated it remains held together by SafeTcrete.