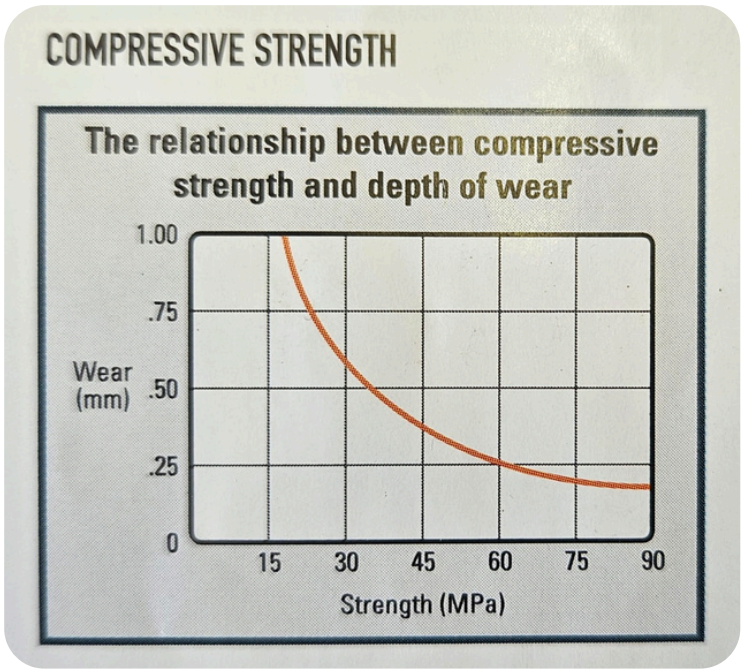
Samson Technologies cc

In-service Toughness of Concrete Floor Hardeners



Bleed Water destroys abrasion resistance



Dry-shakes double the surface strength



Modified power floats give exceptional finish



Multiple treatments for maximum protection

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Excellence in Concrete Technology

Practioners in concrete construction are often confused about claims made for various products.

This document sets out technical reasons to assist in the selection of "fit for purpose" treatments for a variety of industrial and commercial structures.

MBFT Dry-shakes

Correctly applied Dry-shakes are the only treatment that will increase the surface compressor strength of concrete floors.

This is achieved by alteration of surface water cement ratios (down to approximately 0.35 to 0.4.) The wearing shield provided by MBFT will have 5 to 8 times the abrasion resistance of the untreated underlying concrete.(See illustrated graph alongside.)

MBFT is available in various tints or plain colour. Ask for the SAMSON samples to make an appropriate choice for any particular project.

The quadruple binder content of MBFT provides exceptional performance at economical cost when compared with multiple binders in the underlying concrete.

MBFT P Dry Shake

Appropriate polymers are added to MBFT P to provide unique protection against some mild acids, such as; humic acid, acidic degraded sugars and fermentation of absorbed blood.

This product has been widely used for slaughter houses including chicken, meat and fish processing plants. (Once again, ask SAMSON Technical services for specific advice.)

HC Densifier

Contrary to some claims made for liquid hardeners their main function is to restore inadequate curing and do not increase surface strength as do Dry Shakes.

The densifying process promotes low porosity, dust control, easy cleaning and achievement of a satin gloss.

SAMSON recommends the "Best of Both" by applying MBFT followed by HC Densifier as a curing mechanism providing high surface compressor strength and resistance against oil, grease and other liquid ingress.

HC Densifier leaves no membrane and unreacted chemicals must be washed off.

The MM range of Sealers

MM Sealers are membrane forming and induce water and oil repellency. Sealed floors are non-slip when wet and resist staining from liquids such as; coffee, wine, sugary beverages, concentrated fruit juices and mild acids. (Down to about ph 5 to 4)

Where the MM series are used, consult SAMSON literature for cleaning processes including, if required, periodic re-sealing (Approx. every 3 to 4 years).

SAMSON Technical Services will provide specific back up information and selection criteria for your guidance. (See brochure entitled "Reflections on concrete floors".)

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