

24 September 2008

7 Masefield Street
P.O. Box 40-749
Upper Hutt
New Zealand
Tel: 64-4-527 7248
Fax: 0800 448 622
Office@hitchins.co.nz
www.hitchins.co.nz

PRODUCER'S STATEMENT

For

VANDEX SUPER

Vandex Super is manufactured by Vandex International Limited under stringent quality control ISO 9001 and marketed by Hitchins New Zealand Limited here in New Zealand and the Pacific Islands.

Vandex Super is a cementitious concrete treatment that consists of Portland cement, grade Quartziln Sands and a blend of activating chemicals.

Vandex Super concrete treatment applied to green concrete or suitably prepared water saturated concrete, permits capillary activated chemicals to work by penetrating the concrete to provide in-depth waterproofing.

The Vandex Super chemicals react with the free lime in the concrete forming chemical complexes which grow and expand to fill voids or capillaries and block the ingress of water.

Vandex Super reaction is progressive being re-activated by further post watering or the seepage of moisture through the structure from the direction that has not been treated with Vandex Super. Vandex Super chemicals will continue to penetrate into the concrete on the vehicle of moisture for at least 150mm depth.

Substrate the Vandex Super is to be applied to must be free of any contaminates, shutter release agents or curing agents and certainly not previously coated. Vandex Super must be applied to well prepared, clean concrete that is free of dusting.

Green concrete will require one day pre-watering and aged concrete a minimum of 3 days. It is vital to provide the vehicle for the Vandex Super chemical to penetrate into the concrete and activate.

Vandex Super is in powder form and is mixed with water at the correct ratio as per instructions on the bag and applied to a damp surface. In the case of horizontal surface, there must not be any surface puddles present, vital as this dilutes the Vandex ratio and will dry powdery.

With concrete blocks there is a requirement to cement enriching before applying Vandex Super. This can be achieved by two coats of cement slurry or 12mm plaster layer that does not incorporate acrylic modifiers, or trowel on layer of INDEX Osmoseal.

Finally, Vandex Super can be plastered over after the pre-watering period. This will enable the Vandex Super treatment to penetrate not only the substrate but this plaster layer also. This is a recommended procedure for blockwork.

WARRANTY

HITCHINS NEW ZEALAND LIMITED warrants that if the Vandex Super treatment is applied by an approved experienced applicator in keeping with the written application instructions, the product datasheet, mixing instructions and this document, including the pre and post watering, then Vandex Super will perform as required and covered under our Product Performance Guarantee for **Fifty (50) years**.

Vandex Super does not seal construction or moving joints/cracks. There are other products that provide that function.

Vandex Super does not provide waterproofness if the structure concrete substrate should crack. It may take up the water seepage after every fracture, but Hitchins New Zealand Limited does not warrant it will. Finally, Vandex Super does not react with steel, plastic or any other composite material and therefore it does not waterproof at these junctions. There are other products or systems that provide that function.

Progressive

Vandex Super treatment is progressive in-as-much-as that after application and post watering, the initial chemical reaction has taken place, however this process is ongoing, whereas every time water comes into contact with the Vandex chemicals it triggers off further reaction.

Therefore in certain types of structures or construction materials, seepage can continue initially until the re-activated Vandex Super progressively waterproofs the structure.

Strap and Lining

All timber strapping is to be adhered by an appropriate adhesion compound. Avoid mechanical fixing, particularly in high ground water level areas.

Where mechanical fixing is the only option, the holes are drilled and then the interior surface of the holes is treated with Vandex Super; see Hitchins for full instructions.

Potable Water

Vandex Super is safe to use to seal the inside of concrete structure that stores water for household use.

Over-Painting

Substrates treated with Vandex Super can be over-painted or spray textured; however there is a minimum period of approximately 6 months unless the Vandex super is plastered over in which case it will be one month.

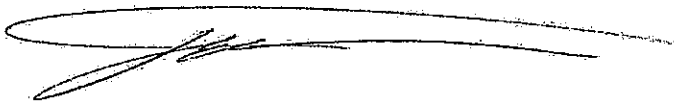
The Vandex surface must be thoroughly cleaned and any crystal growth to exterior treated surface removed. See Hitchins for full instructions.

To Conclude

Trust the above clearly covers the Vandex super properties, surface preparation, installation and post-watering, together with extent of warranty and disclaimer.

For and on behalf of:-

HITCHINS NEW ZEALAND LIMITED



Jim Gerbes
MANAGING DIRECTOR