

NOVOMESH™ HPP fibers...

help
HOLD cracks
in their tracks.

NOVOMESH™ HPP is
an engineered blend
of synthetic fibers that
provides an alternative
secondary reinforcement
to your concrete when
steel cannot be used.

NOVOMESH™ HPP

- provides reduction of concrete plastic cracking resulting from intrinsic stresses
- provides improved impact, shatter and abrasion resistance
- provides a cost-effective alternative to conventional steel for shrinkage and temperature reinforcement
- improves residual strength
- improves support and cohesiveness in concrete on steep inclines and/or slip-formed placements

NOVOMESH™ HPP

works well with all commonly used concrete mixtures and additives, and is ideally suited for hand, vibratory and laser screeds, and all conventional finishing equipment.

No special equipment is needed for mixing, placing or finishing.



Some ideal applications for
Sidewalks • Driveways

NOVOMESH™ HPP
• Offices •

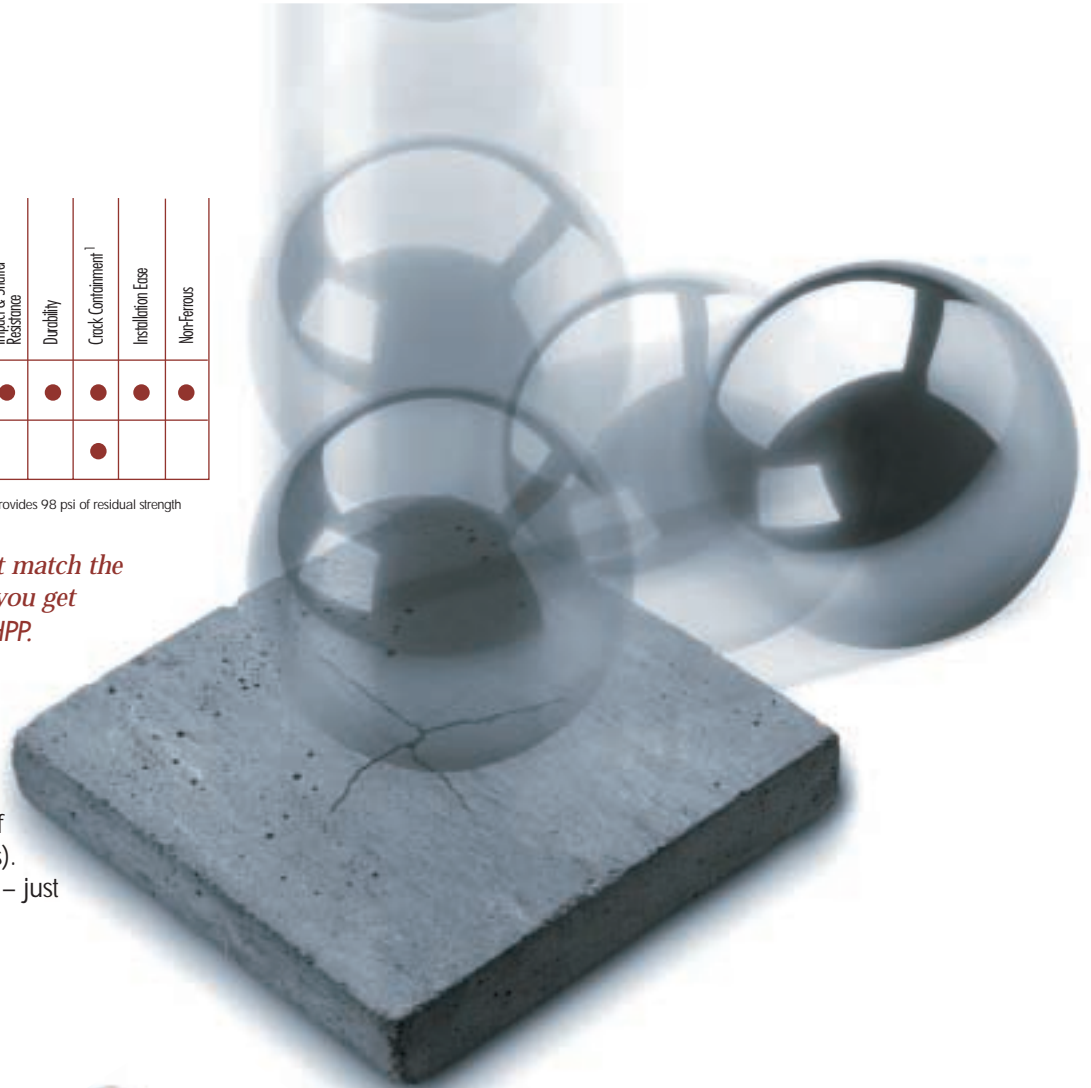
	Plastic Shrinkage & Plastic Settlement	Crack Control	Impact & Shatter Resistance	Durability	Crack Containment ¹	Installation Ease	Non-Ferrous
NOVOMESH™ HPP	●	●	●	●	●	●	●
Conventional Steel					●		

¹ Novomesh™ HPP provides 98 psi of residual strength

Welded wire just can't match the full range of benefits you get from NOVOMESH™ HPP.

NOVOMESH™ HPP

is easy to use. Packaged in degradable 5 lb. bags, one bag equals the minimum application per cubic yard of concrete (nine bags per 7 cubic meters). No wire, no rolls, no cuts and scrapes – just back up the truck and place it.



NOVOMESH™ HPP

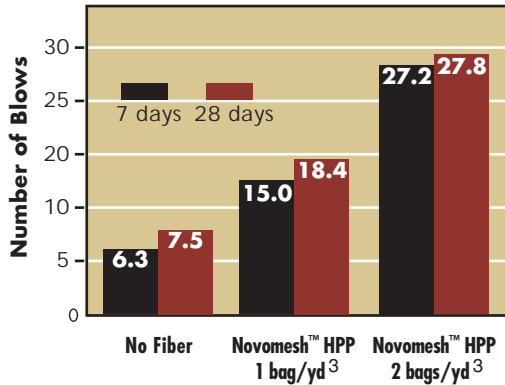
TOUGH

NOVOMESH™ HPP include: Slabs on Ground • Strip Malls
Municipal Buildings • Hotels • Schools

TEST DATA

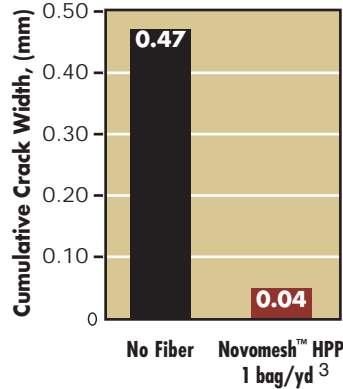
Impact Resistance

The chart below shows the effect of Novomesh™ HPP on impact resistance after 7 and 28 days. Impact resistance is characterized by the number of blows required to ultimate failure of specimen.



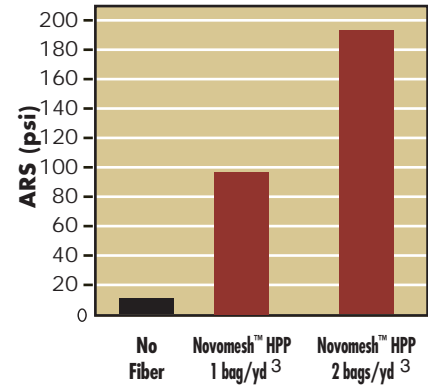
Plastic Shrinkage

Using a modified UBC (Univ. of British Columbia) test method, the chart below shows the effect of Novomesh™ HPP on shrinkage crack reduction.



Residual Strength (ASTM C1399)

The chart below shows that 1 bag of Novomesh™ HPP meets the new AASHTO requirements of an average residual strength of 80 psi.



TO SPEC

How to Specify NOVOMESH™ HPP

Here's some standard spec language you can use to make sure that you can get all the benefits of NOVOMESH™ HPP:

NOVOMESH™ HPP will be used for temperature and shrinkage reinforcement of the concrete. NOVOMESH™ HPP is an engineered blend of coarse monofilament and fine fibrillated polypropylene fibers of various lengths and thicknesses. Application rate shall be a minimum of one degradable 5-lb. bag per cubic yard of concrete. Fiber manufacturer must document evidence of satisfactory performance history, compliance with applicable building codes, and ASTM C-1116 Type III 4.1.3.

Fibrous concrete reinforcement shall be manufactured by SI Concrete Systems, 4019 Industry Drive, Chattanooga, TN, USA, 37416.

email: fibermesh@sind.com



MAKING GOOD CONCRETE BETTER.™



Ph: 423/892-8080 • Fx: 423/892-0157
4019 Industry Drive • Chattanooga, TN 37416

INTERNATIONAL
Hayfield house • Devonshire Street
Chesterfield, Derbyshire U.K. S41-7ST
Ph:(+44)-1246-564200 • Fx:(+44)-1246-564201

www.fibermesh.com