



PHONE +1 515 771 0473 info@fsc-tech.com www.fsc-tech.com
FSC Technologies LLC- 4700 Millenia Boulevard # 175-91583 FL ORLANDO 32839
FSC Technologies LLC- V. Veneto 52, 43046 Solignano Parma, ITALY



SMART CONCRETE TECHNOLOGIES
Enhancing building material Industry

FLEXSTREN Technology

AFTER CURING CORROSION FREE REINFORCING

FOR ANY PRODUCT FROM IMMEDIATE STRIPPING PROCESS

ENHANCING PRODUCT COMPETITIVENESS

by increasing overall strength, and mitigating cracking risks

GIVING ACCESS TO NEW APPLICATIONS

not currently reachable from concrete products

MAKING CORROSION FREE PRODUCTS

with the easiness of implementation



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HOW WE DO IT?

INDUCING A POST-COMPRESSION ON THE CONCRETE PRODUCT APPLYING-AFTER CURING A STRESSED AND ORIENTED CONTINUOUS COMPOSITE

THIS REINFORCING IS NOT DISPERSED IN THE CONCRETE MIX BUT APPLIED ONLY WHERE IS NEEDED

APPLICATION EXAMPLES

CONCRETE PIPES, cost effective vs fiber/plastic and reinforced concrete pipes.

LARGE FLEXIBLE PAVERS reducing the thickness and eliminating cracking

DRYCAST SLEEPERS corrosion-free, very scalable productivity, overall cost-effective products

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FSC TECH
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FSC CAN PROVIDE KNOW-HOW, MACHINERY, STARTUP ASSISTANCE, ENGINEERING, AUDITING SERVICES TO ENSURE QUALITY

Gemini
Impianti S.r.l.

CANZIAN

UNIVERSITY
OF MIAMI
U

al
arenzana

PORTERRA PPE & FREEMET



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ARE THERE ANY REGULATORY LIMITS IN THE USE OF FLEXSTREN TECHNOLOGY?

NO. REGULATIONS ALREADY EXIST IN MANY COUNTRY AS USA AND EUROPE.

CAN I APPLY FLEXSTREN TECHNOLOGY WITH MY MACHINES?

ALL PIPE/PAVERS AND MY IMMEDIATE STRIPPING PRODUCT MANUFACTURER CAN USE FLEXSTREN TECHNOLOGY



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