

3B-the fibreglass company introduces HiPer-tex™ H2020 for High Pressure Cylinders

HiPer-tex™ H2020 high performance glass fibre allows production of lighter and cheaper composites cylinders.



Gastank™ 293 CNG cylinder, courtesy of Gastank Sweden AB

Battice, Belgium – March 10th, 2015 – Pursuing its strategy to lead the innovation of glass fibre solutions for the transportation sector, 3B-the fibreglass company is launching **HiPer-tex™ H2020** high performance roving to meet the needs for lighter and cheaper high pressure cylinders.

3B's technological expertise and manufacturing know-how delivers a high performance glass with outstanding mechanical properties providing a significant greater strength. The new **HiPer-tex™ H2020** roving offers more than 25% higher strength than standard glass by reaching 1420 MPa in a typical unidirectional laminate (average glass volume fraction 60%).

Thanks to its exceptional strength, as well as to its high fatigue performance and acid resistance, **HiPer-tex™ H2020** is at the moment the only glass fibre that can be used as sole material in the manufacturing of fully wrapped composite cylinders that are approved as per the United Nations ECE R110 regulation.

“**HiPer-tex™ H2020** provides an answer to the evolving requirements of the gas transportation market looking for large volume cylinders much lighter than steel cylinders and much cheaper than the ones designed with carbon fibre. **HiPer-tex™ H2020** is the solution to address these needs. Compared with steel pressure vessels, **HiPer-tex™ H2020** allowed cylinders achieve up to 50% weight saving for the same compressed natural gas cylinder designed under the ECE R110 standard” says Eric Debondue, Automotive Market Manager at 3B.

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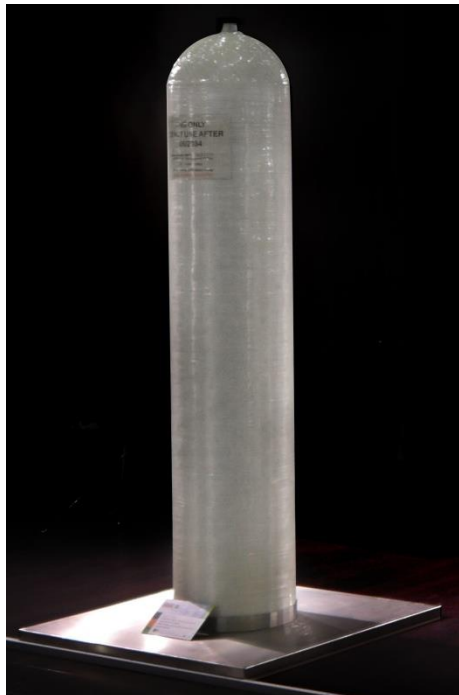
3B the fibreglass company

B R A J B I N A N I G R O U P

NEWS RELEASE

Building upon the most recently developed sizing technology, the new **HiPer-tex™ H2020** is specifically engineered for epoxy polymer systems used in filament winding processes. Its proprietary glass composition combined with optimized sizing technology allows cylinder producers to enjoy the easy processability and the increased productivity offered by glass fibre.

“Last but not least, **HiPer-tex™ H2020** is now continuously produced at 3B, making this new benchmark product available globally for the benefit of the entire value chain” explains Eric Debondue.



Gastank™ 293 CNG cylinder, courtesy of Gastank Sweden AB

About 3B-the fibreglass company

3B-the fibreglass company is a leading developer and supplier of fibreglass products and technologies for the reinforcement of thermoplastic and thermoset polymers. This dynamic and entrepreneurial company has three state-of-the-art glassfibre manufacturing facilities in Belgium, Norway and India as well as a dedicated R&D Centre located in the heart of Europe. 3B's ambition is to be the preferred supplier of value creating, innovative glass fibre solutions for automotive and wind applications. This growth agenda builds upon three strategic drivers that are sustainability, technological innovation and a global presence to most effectively service our international customers.

The company is the only major glassfibre producer operating fully 100 percent boron-free glass fibre manufacturing platforms with ECR glass formulations delivering significantly improved corrosion resistance, enhanced stiffness, higher temperature resistance and longer service life. The company operates a unique eco-responsible and high performance glass technology, HiPer-tex™, in its Norwegian plant. This well established brand combines durability with eco-responsibility and versatility, making HiPer-tex™ the material of choice for a wide range of industries. With a sound foundation of unique assets, 3B is committed to designing reliable and durable glassfibre solutions available globally.

For more information visit our website www.3b-fibreglass.com

HiPer-tex™ is a trademark of 3B

3B Head Office

Route de Maestricht 67-69

B-4651 Battice, Belgium

Phone +32 2 402 2000

General info: 3b-thefibreglasscompany@3b-fibreglass.com

3B Public Relations Contact

Aurélie Dubois

aurelie.dubois@3b-fibreglass.com

Phone +32 498 677 941
