

Declaration of Performance (DoP)

DoP Number. – 1213 – CPR -7139- U-150-1

1. **TECHGRID GEOGRID - Knitted and Polymeric coated Polyester Geogrid**
2. **TGU – 150/30**
3. **Intended Uses** - TECHGRID GEOGRID for application in the construction of roads, railways, earth works, foundations and retaining structures, Erosion control works, Reservoirs and dams, Solid waste disposals , Liquid waste containment.

Intended Uses – R (Reinforcement)

4. **TechFab India Industries Ltd.**
712, Embassy Centre, Nariman Point, Mumbai – 400 021, India.
Ph: +91 22 22876224 / 5, Fax: +91 22 22876218,
E-mail: office@techfabindia.com / tfi@vsnl.net

5.

TechFab India Industries Ltd. Factory survey no. 99/2/6 Village Rakholi, Madhuban Dam Road, Silvassa -396230.(D.N.H.) Email: geogrid.qualitylab@techfabindia.com	TechFab India Industries Ltd. Survey No- 60/4P, Plot No 18. Village- Karajgam, Silvassa -396230.(D.N.H.) Email: geogrid.qualitylab@techfabindia.com
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6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V **2+**
7. Notified Body No. 1213 –SKZ - Testing GmbH, Friedrich-Bergius-Ring 22 , 97076 Würzburg/Germany. performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity of the factory production control.
8. Declared Performance

Properties	Test Standard	Unit	Performance	Harmonized standards:
Tensile Strength (MD)	EN ISO 10319	kN/m	160 (-10)	EN -13249:2016, EN-13250:2016, EN -13251:2016, EN-13253:2016, EN-13254:2016, EN-13257: 2016, EN -13265:2016
Tensile Strength (CD)	EN ISO 10319	kN/m	35 (-5)	
Elongation at Maximum Load (MD)	EN ISO 10319	%	12 ± 4	
Elongation at Maximum Load (CD)	EN ISO 10319	%	12 ± 4	
CBR Puncture Resistance	EN ISO 12236	N	NPD	
Dynamic Perforation (Cone Drop)	EN ISO 13433	mm	NPD	

Durability

Weathering resistance	To be covered after installation within 2 weeks.	EN 12224
Resistance to Hydrolysis	Predicted to be durable for a minimum 100 years in natural soil with $4 \leq \text{pH} \leq 9$ and soil temperature $\leq 25^\circ\text{C}$ on basis	EN 12447

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Chauhan

Authorised Sign.
Manager Q. C.



Date - 01.09.2023