

DOP No. RGHSPL/DOP/EN10210/S275J0H

Sr. No	Performance Particulars	Description																															
1	Unique of product type	EN 10210-1:2006 Hot rolled Seamless of S275J0H.																															
2	Intended use of construction products:	Metal structures or in composite metal and concrete structures																															
3	Manufacturer:	RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED (Seamless Division) Vill & Mouja-Changual, Jethia, Khatranga, Gopinathpur, Goyalara, P.O - Changual, P.S - Kharagpur (Local), Dist- Paschim Medinipur, West Bengal, 721301, India																															
4	Contact address of authorized representative:	Murlidhar Gawande. RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED (Seamless Division) Vill & Mouja-Changual, Jethia, Khatranga, Gopinathpur, Goyalara, P.O - Changual, P.S - Kharagpur (Local), Dist- Paschim Medinipur, West Bengal, 721301, India																															
5	Assessment system and verification for constancy of performance	2+																															
6(a)	Harmonized Standard	EN 10210-1:2006																															
	Notified Body	TUV NORD Systems GmbH & Co. KG, notified body for construction product regulation (CPR), Reg No. 0045 performed initial inspection of manufacturing plant under system 2+ and issued certificate of conformity of the factory production control.																															
6(b)	European Assessment	NA																															
7	Declared Performance	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Essential Characteristics</th> <th style="width: 30%;">Performance</th> <th style="width: 40%;">Harmonized Technical Specification</th> </tr> </thead> <tbody> <tr> <td>Tolerance on dimensions and shape</td> <td>EN 10210-2:2019</td> <td>EN 10210-2:2019</td> </tr> <tr> <td>Mechanical Properties</td> <td></td> <td></td> </tr> <tr> <td>Tensile Strength(MPa)</td> <td>Hot Rolled Strip= 410 - 560 Mpa</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Yield Strength(MPa)</td> <td>Hot Rolled Strip = 275 Mpa min</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Elongation (%)</td> <td>Minimum 23% (EN 10210-1 Table A.3)</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Impact Strength (0deg C)</td> <td>27 (Joules) – Longitudinal</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Weld ability (cover by chemical composition)</td> <td>Satisfactory</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Durability (cover by chemical composition)</td> <td>NPD</td> <td></td> </tr> <tr> <td>Dangerous substances</td> <td>< 100PPM</td> <td></td> </tr> </tbody> </table>		Essential Characteristics	Performance	Harmonized Technical Specification	Tolerance on dimensions and shape	EN 10210-2:2019	EN 10210-2:2019	Mechanical Properties			Tensile Strength(MPa)	Hot Rolled Strip= 410 - 560 Mpa	EN 10210-1:2006	Yield Strength(MPa)	Hot Rolled Strip = 275 Mpa min	EN 10210-1:2006	Elongation (%)	Minimum 23% (EN 10210-1 Table A.3)	EN 10210-1:2006	Impact Strength (0deg C)	27 (Joules) – Longitudinal	EN 10210-1:2006	Weld ability (cover by chemical composition)	Satisfactory	EN 10210-1:2006	Durability (cover by chemical composition)	NPD		Dangerous substances	< 100PPM	
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8.	The performance of the product identified above is in conformity with the set of declared performance/s. This Declaration of Performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.																																

Signature:

Murlidhar Gawande
Dy. Manager(QA/QC)

Place:Kharagpur(India).
Date:15/04/2024.

