

DOP No. RGHSPL/DOP/EN10210/S275J2H

| Sr. No | Performance Particulars | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---------------------------|-------------|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------------|--|--|-----------------------|---------------------------------|-----------------|---------------------|--------------------------------|-----------------|----------------|------------------------------------|-----------------|----------------------------|----------------------------|-----------------|--|--------------|-----------------|--|-----|--|----------------------|----------|--|
| 1 | Unique of product type | EN 10210-1:2006 Hot rolled Seamless of S275J2H. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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"> <thead> <tr> <th>Essential Characteristics</th> <th>Performance</th> <th>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 (-20deg 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 (-20deg 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 | |
| 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 (-20deg 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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.