



## Declaration of Performance No.: G 001

<b>Product – identification code of type</b>	Steel Forge-Welded and Pressure-Locked Gratings and Stairtreads
<b>Type</b>	Gratings and Stairtreads of type SP and XSP Gratings, execution class EXC2 P and XP Gratings, execution class EXC2
<b>Intended use</b>	floor building element, etc. according to manual- download: <a href="http://www.lichtgitter.com">www.lichtgitter.com</a>
<b>Producer</b>	Lichtgitter CZ spol. s r.o. U Lékárny 1 735 35 Horní Suchá IČ: CZ60320371
<b>Authorised representative</b>	not established
<b>System of assessment and verification of performance</b>	2+
<b>Notified certification body</b>	TZUS Praha s.p. Prosecká 811/76a, Praha 9, č. NB 1020 Certifikát (Osvědčení) SRV č. 1020-CPR-070043475

### Performance in declaration: (acc. to tab. ZA.1 EN 1090-1:2009+A1:2011)

Basic properties	Value of properties	Technical specification
Tolerance and geometric data	DIN 24537-1, DIN 24531-1 RAL GZ638	4.2 a 5.3 EN 1090-1:2009+A1:2011
Weldability	steel S235JR acc. to EN 10025-2	4.3 a 5.4 EN 1090-1:2009+A1:2011
Fracture toughness shock resistance	27 J at 20°C	4.4 a 5.5 4.8 a 5.10 EN 1090-1:2009+A1:2011
Reaction to fire	class A1	4.6 a 5.8 EN 1090-1:2009+A1:2011
Release of cadmium	NPD	4.7 a 5.9 EN 1090-1:2009+A1:2011
Emission of radioactivity	NPD	4.7 a 5.9 EN 1090-1:2009+A1:2011
Durability	Surface protection- hot dip galvanised acc. to EN ISO 1461	4.9 a 5.11 EN 1090-1:2009+A1:2011
Bearing capacity	EN ISO 14122, RAL GZ 638 Acc. to manual Lichtgitter- see intended used	EN ISO 14122 Die RAL GZ 638
Deformation in Limiting State of usability	NPD	4.5.5 EN 1090-1:2009+A1:2011
Fatigue strength	NPD	4.5.1, 4.5.3 a 5.6.2 EN 1090-1:2009+A1:2011

Performance of product are in agreement with performance in the table  
This declaration of performance is issued under the sole responsibility of the manufacturer.

Pavel Smilowski  
Company Executive Head



Signature  
lichtgitter CZ

spol. s r.o.  
U Lékárny 1  
735 35 Horní Suchá

Horní Suchá, 2014-03-04