



Certificate of Conformity  
No. 3897/2022

Inspecta Latvia has granted this certificate as proof that

**Steel for the reinforcement of concrete:**  
thermally hardened, steel coils for the reinforcement of concrete,  
technical class B500B, nominal diameter between 10 and 40 mm according to Annex,

PRODUCED BY THE MANUFACTURER:  
**AO "Uzmetkombinat"**

110502, ulitsa Sirdariya – 1, Bekobod, Tashkentskaya oblast, Republic of Uzbekistan  
VHH 200460222

ADDRESS OF MANUFACTURER:  
AO "Uzmetkombinat", 110502, ulitsa Sirdariya – 1, Bekobod, Tashkentskaya oblast, Republic of Uzbekistan

Certified according to scheme, based on initial inspection and approval of factory and factory production control and initial type testing, followed by surveillance of factory production control which includes inspection of factory production control and audit testing of product.

**LVS 191-1:2012 and LVS 191-1:2012/AC:2015**

**The Factory Production Control is assessed to be in conformity with applicable specification.**

Certificate was first issued on the 18 May 2022 and remains valid as long as the conditions laid down in the above mentioned technical specification, related provisions and the manufacturing conditions in the factory are not modified significantly.

*(Next surveillance – May 2025)*

20 May 2024

**Mārtiņš Maskavs**  
Certification Manager



Certificate issued on 1 (one) page with Annex on 1 (one) pages



EN ISO/IEC 17065  
S1-182

**AS Inspecta Latvia**  
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**Inspecta Latvia**  
Trust, Quality & Progress



## 1. Chemical composition and weldability

Technical class	Chemical element, % by mass					C <sub>eq</sub>	Notes
	C	S	P	Cu	N		
B500B	≤ 0,24	≤ 0,055	≤ 0,055	≤ 0,85	≤ 0,014	≤ 0,52	Product analysis

## 2. Mechanical properties

Mechanical properties			
Characteristics	Technical class and conformity criteria	Notes	
	B500B		
Yield strength, $R_e$ (N/mm <sup>2</sup> )	500	characteristic value, 1 - a = 0,90; p = 0,95	
Tensile/yield strength ratio, $R_m/R_e$ (-)	≥ 1,08	characteristic value, 1 - a = 0,90; p = 0,90	
Actual value of yield strength / specified value of yield strength ratio, $R_{e,act.}/R_{e,nom.}$ (-)	≤ 1,30	characteristic value, 1 - a = 0,90; p = 0,90	
Total elongation at maximum force, $A_{gt}$ (%)	≥ 5,0	characteristic value, 1 - a = 0,90; p = 0,90	
Bend performance	+90°/-20°	5d, if $d \leq 16$	pass
		8d, if $16 < d \leq 25$	
		10d, if $d > 25$	

## 3. Dimensions, mass per meter and tolerances

g. Dimensions, mass per meter and tolerances									
Characteristics	Conformity criteria								
Nominal diameter, mm	10,0	12,0	14,0	16,0	20,0	25,0	28,0	32,0	40,0
Mass per meter									
nominal value, kg/m	0.617	0.888	1,21	1,58	2,47	3,85	4,83	6,31	9,86
tolerance, %	± 4,5								
Surface geometry									
rib height (h), mm	$0,03d \leq h \leq 0,15d$								
rib spacing (c), mm	$0,4d \leq c \leq 1,2d$								
angle of transverse rib inclination, (β)°	$35^{\circ} \leq \beta \leq 75^{\circ}$								
minimal relative rib area (f <sub>R</sub> )	0,040			0,056					
the projection of transverse ribs, %	$\geq 0,75\pi d$								
transverse rib flank inclination,(α)°	> 45								
longitudinal rib height, mm	$\leq 0,15d$								

20 May 2024

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