

**Test report  
PT 24885111**

**Client:** Gum-Tech Kft.  
Alsólajos tanya 245 B  
HU-6050 Lajosmizse

**Date of order:** 07.11.2024

**Content of order:** Testing the stress-strain-characteristics in compression of grass grid panels "Hexagon"

**Test samples:** "Hexagon" grass grid panels made of rubber granulate, green  
3 pcs., approx. 106 cm x 99 cm x 4,5 cm  
3 pcs., approx. 106 cm x 99 cm x 6,5 cm

**Date of delivery:** 15.11.2024 by parcel service

## 1 Content of order

In accordance with the order, the following tests were carried out on the samples supplied:

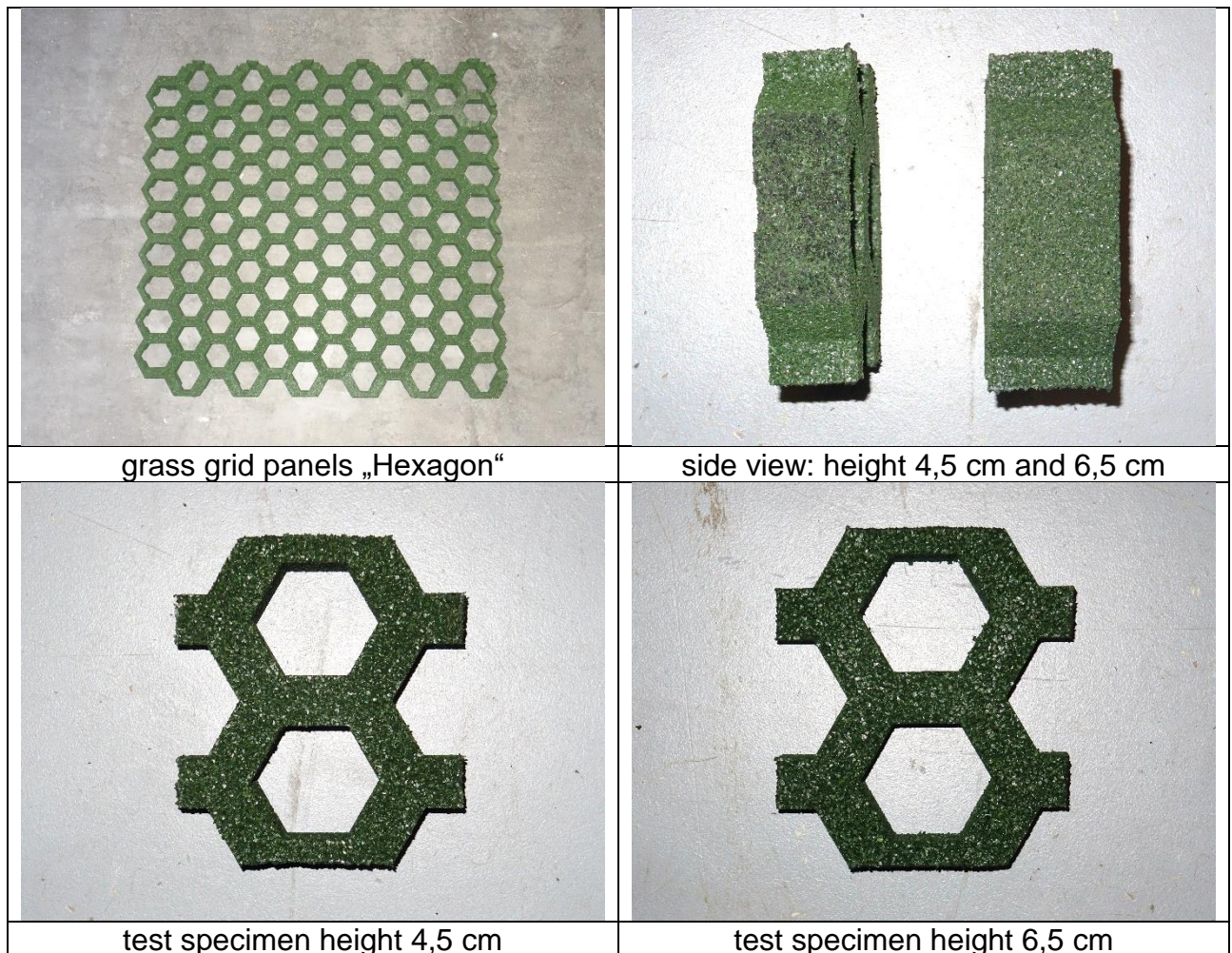
- testing of stress-strain-characteristics in compression CC<sub>25</sub> similar to DIN EN ISO 3386-2 (2010-09)

## 2 Tests and results

The following samples were delivered:

each 3 pcs. grass grid panels „Hexagon“ made of rubber granulate, green,  
dimensions: approx. 106 cm x 99 cm

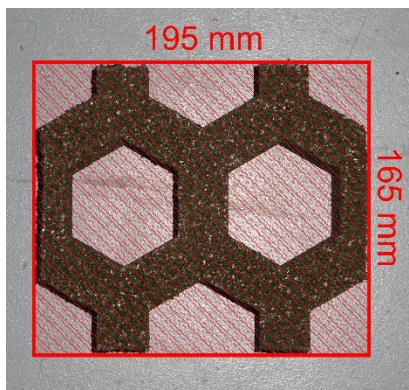
- Overall height 4,5 cm
- Overall height 6,5 cm



The test specimens were conditioned in the test climate for at least 12 hours prior to testing.

## 2.1 Testing of stress-strain-characteristics in compression CC<sub>25</sub> similar to DIN EN ISO 3386-2 (2010-09)

Test specimens with an edge length of 165 mm x 195 mm were cut from the panels, so that two complete honeycombs were included in each case. The test load was referenced to the entire area.



Test specimen and reference area

The surfaces of the test specimens were not machined.

The stress-strain-characteristic in compression CC<sub>25</sub> was determined on these test specimens similar to DIN EN ISO 3386-2 (2010-09).

In deviation from the standard, the test speed was increased. The upper compression limit of the first three cycles was set at 30% compression.

In the fourth load cycle, the compressive stress was determined at a compression of 25%.

### Test parameters:

Preload: 1 kPa

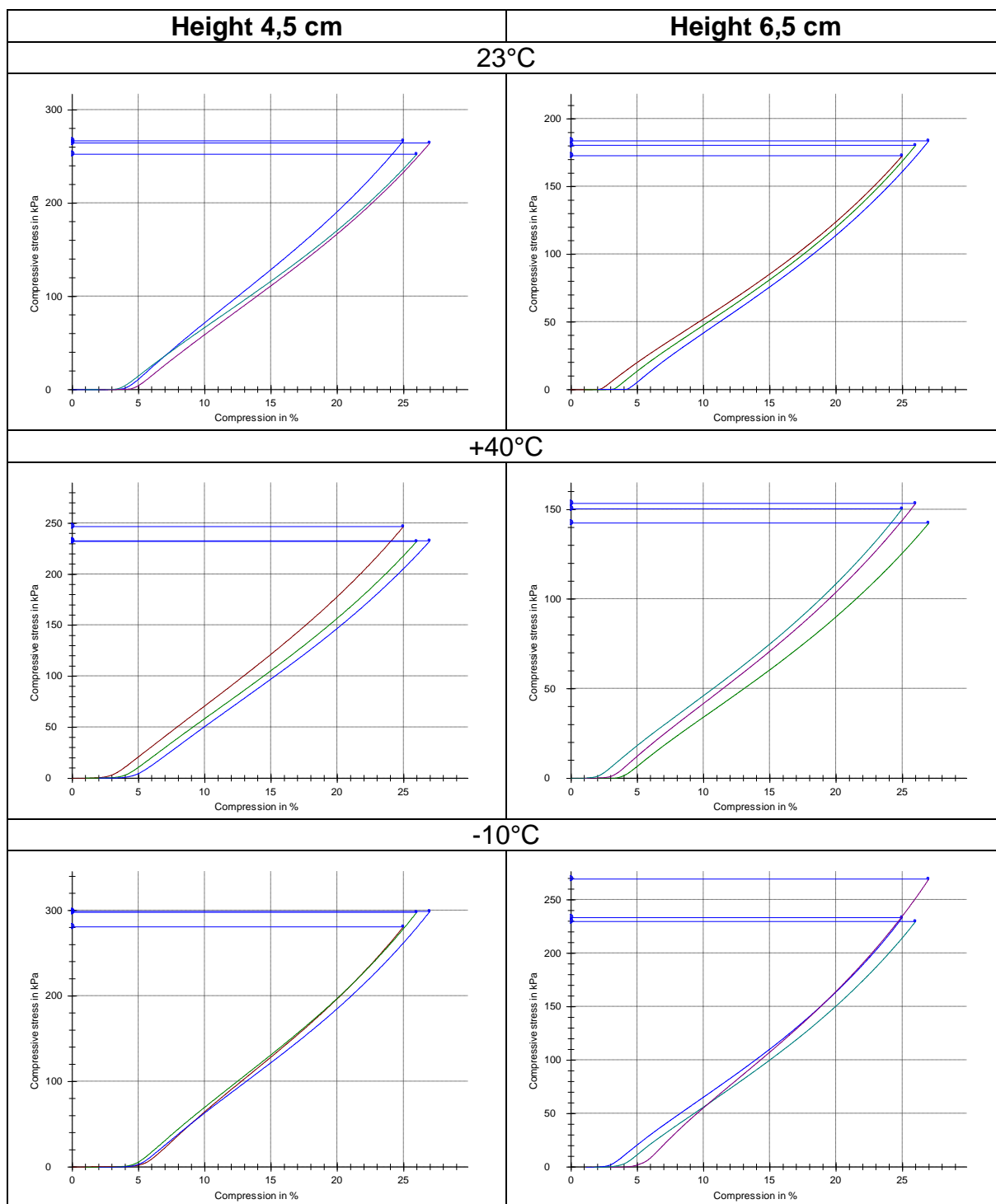
Test temperature: (23±2)°C, (+40±2)°C, (-10±3)°C

Test speed: 10 mm/min

Test date: 28.11.2024

### Results:

	Stress-strain-characteristic in compression CC <sub>25</sub> , kPa					
	Height 4,5 cm			Height 6,5 cm		
Test temperature	23°C	+40°C	-10°C	23°C	+40°C	-10°C
1	267	247	281	173	151	233
2	252	232	298	180	153	230
3	265	233	299	184	142	269
<b>Mean value</b>	<b>261</b>	<b>237</b>	<b>293</b>	<b>179</b>	<b>149</b>	<b>244</b>
<b>Standard dev.</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>6</b>	<b>6</b>	<b>22</b>



The results only refer to the samples mentioned above.

Fuerth, 29.11.2024

Polytest Ingenieure GmbH



Dipl.-Ing. R. Hösch  
(Managing Director)

– End of test report –