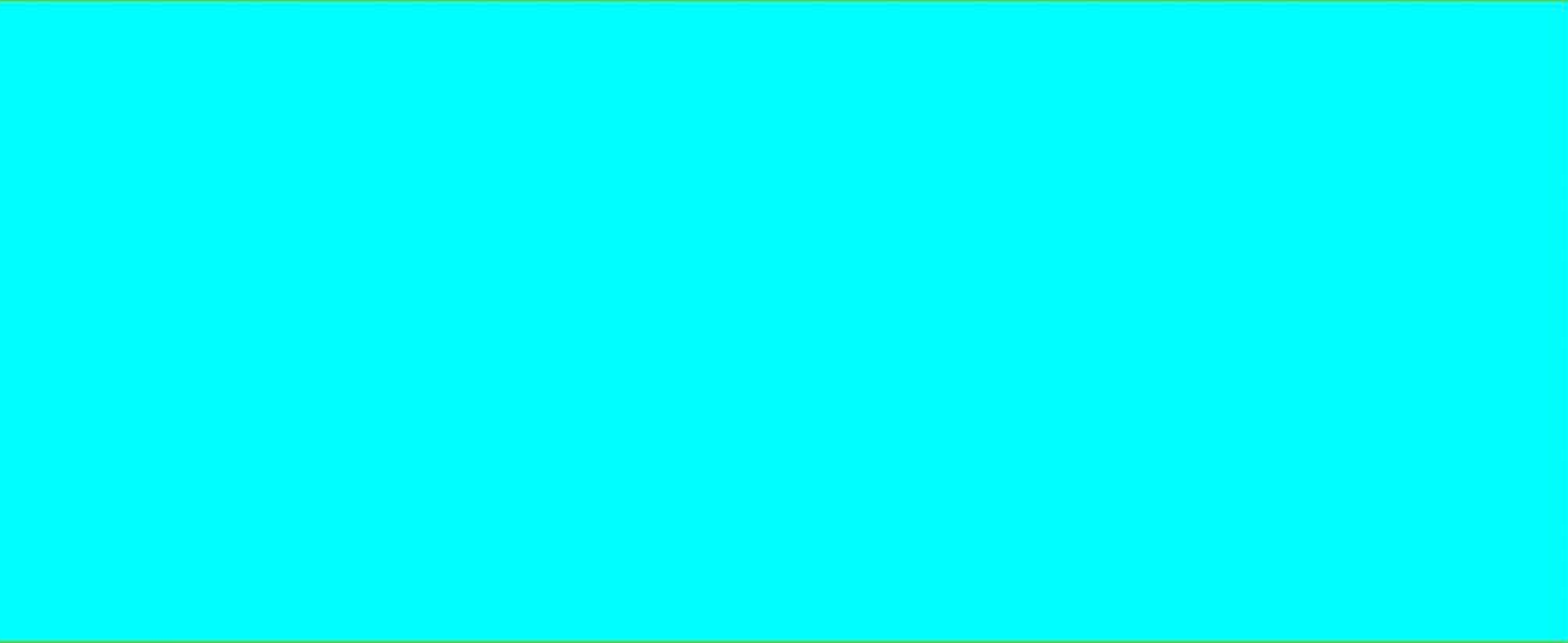


MATERIAL SAMPLE / NAME



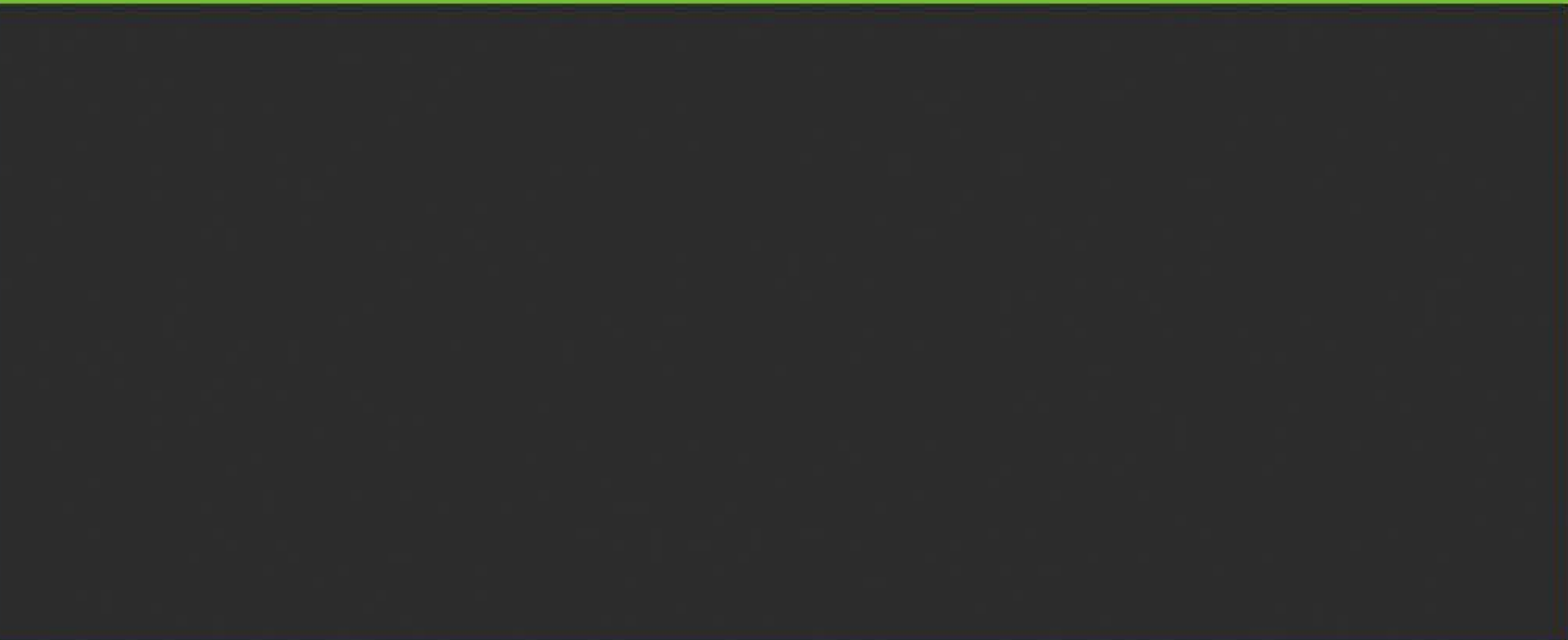
VibraFlex® orange



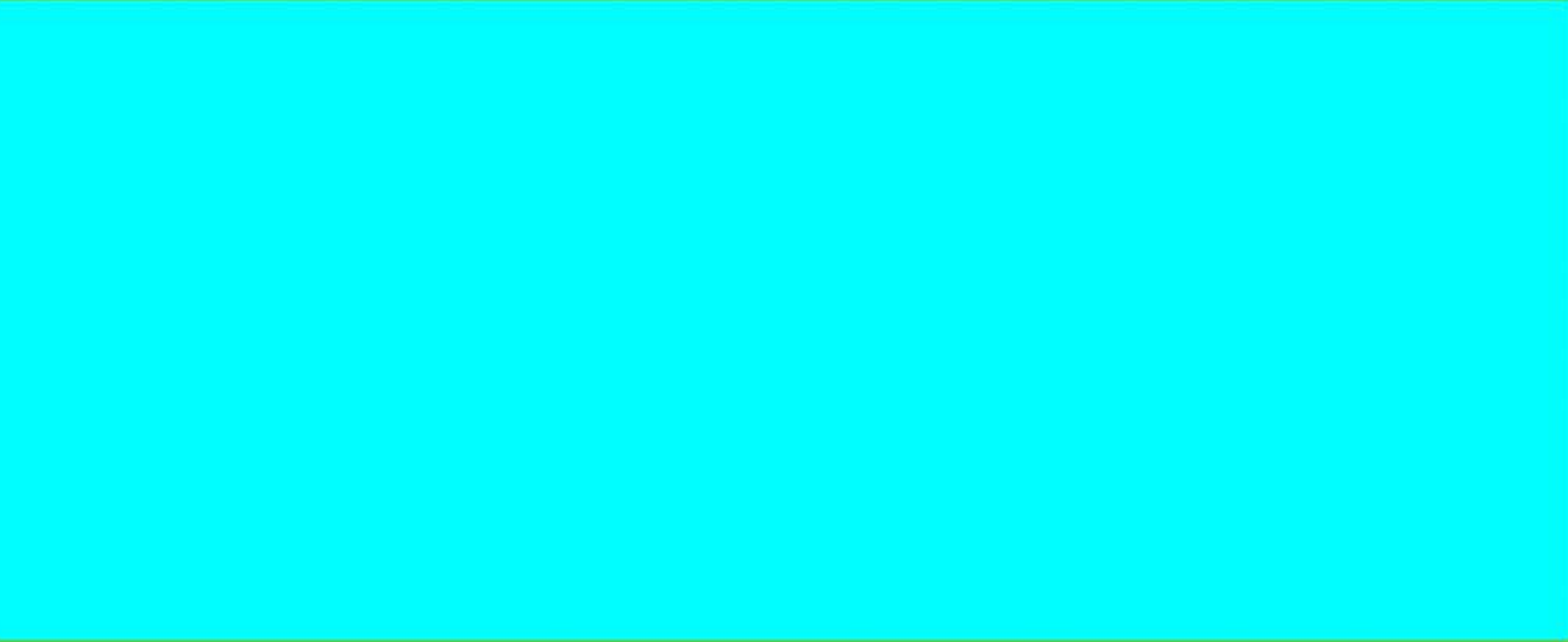
VibraFlex® blue



VibraFlex® violet



VibraFlex® black



VibraSetex® 50250 blue

VibraFlex®

VibraFlex® is a unique product range of vibration damping polyurethane foams.

VibraFlex® is a product range especially suited for applications with repeated compressions. BPI offers VibraFlex® in dimensions customized to your purpose.

VibraFlex® is suited for all vibration damping applications regardless of load or frequency area – and for both indoor and outdoor use.

VibraSetex®

VibraSetex® is a high elastic bonded foam made of 100 % recycled VibraFlex®.

VibraSetex® has excellent recovery properties and a very low compression set. You will find that VibraSetex® is an excellent choice for use in vibration damping and it is also very suitable for protection of heavy fragile items.

Fire properties

Both VibraFlex® and VibraSetex® comply with EN ISO 11925-2 Class-E as well as DIN 4102 B2.

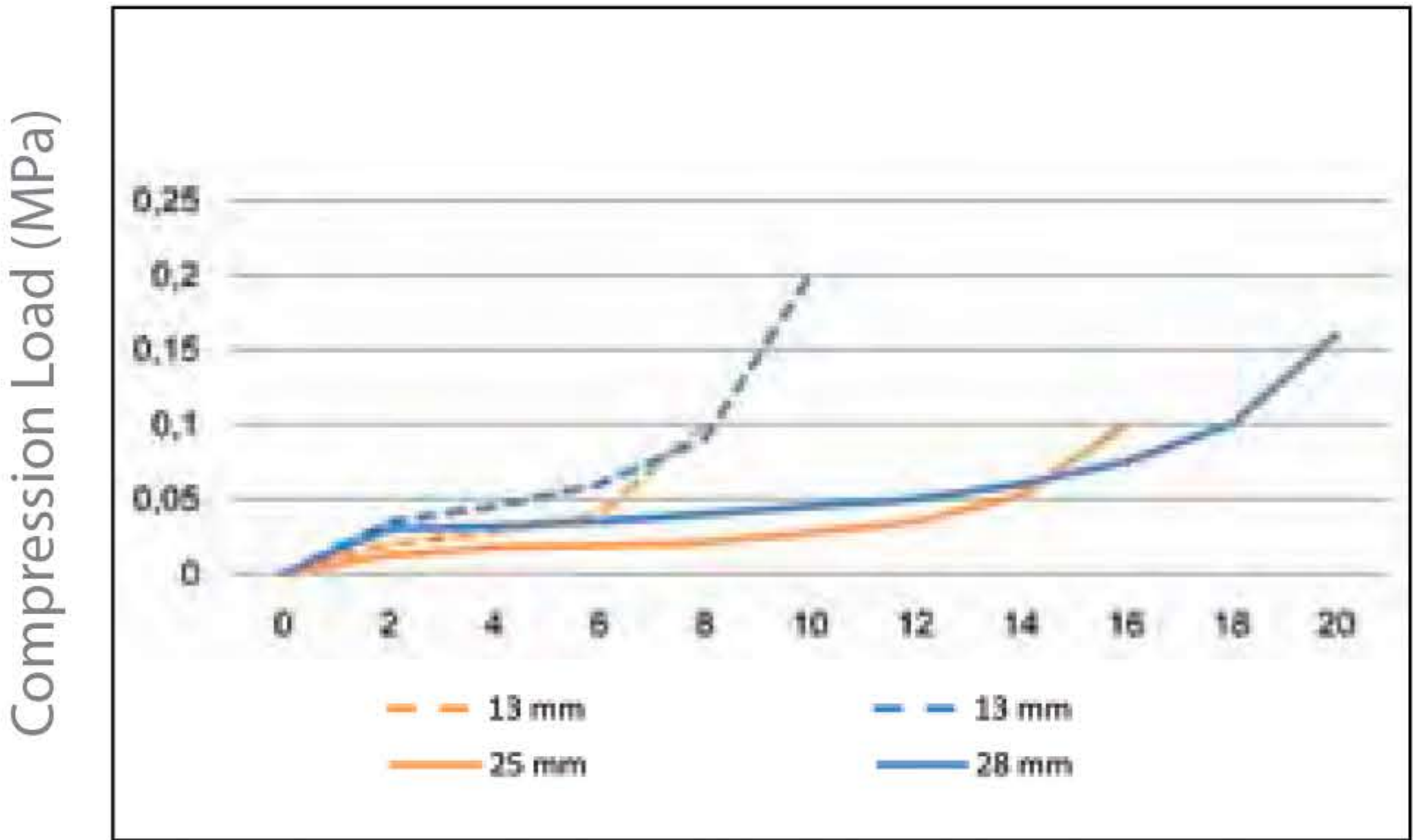
VibraFlex® and VibraSetex® can on request, and special production, meet other fire ratings.

Typical applications

- Machine vibration damping
- Floor constructions
- Building foundations
- Protection of fragile heavy items
- Vibration damping in general

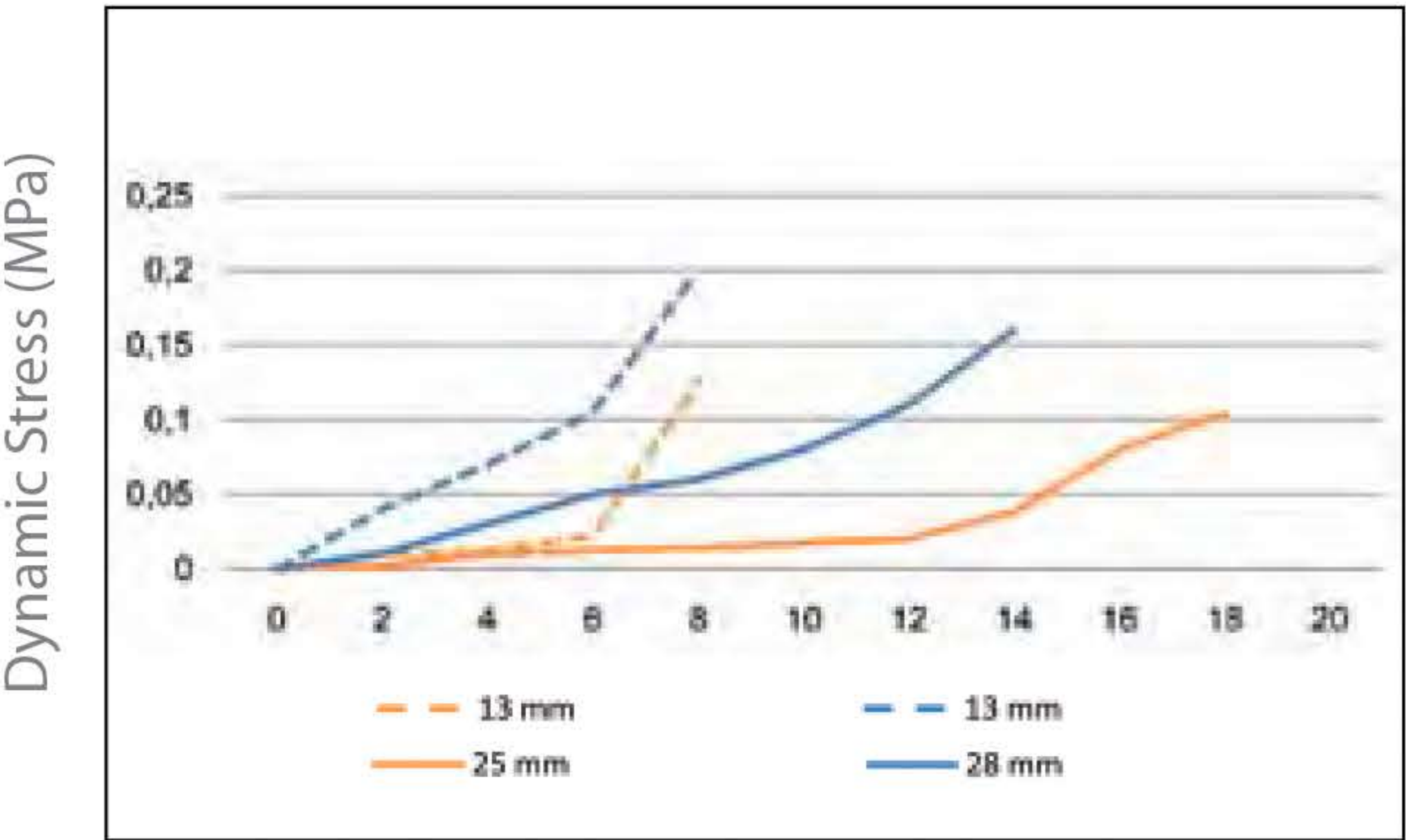
TECHNICAL SPECIFICATIONS			VibraFlex®				VibraSetex®
Properties	Test standard	Unit	Orange	Blue	Violet	Black	Blue
Hardness	ASTM D2240	Asker C	5-10	12-14	45-55	56-60	21-25
Tensile strength	ISO 1798	MPa	> 0.4	> 0.4	> 0.5	> 1.0	> 0.35
Elongation at break	ISO 1798	%	> 300	> 200	> 200	> 200	> 125
Angle tear	DIN 53515	N/mm	> 2.5	> 2.5	> 5	> 7	> 4.0
Compression set	EN ISO 1856 50 %, 23°, 70 h	%	< 5.0	< 5.0	< 10	< 10	< 5.0
Pendulum rebound	Internal	%	> 30	> 40	> 50	> 55	> 45
Electrical conductivity	Internal	MOhm. cm	> 1000	> 1000	> 1000	> 1000	-
Thermal conductivity	ISO 8301	W/(m.K)	0.04-0.06	0.04-0.06	0.04-0.07	0.05-0.08	0,04-0,07
Fire properties	DIN 4102 EN ISO 11925-2	Class	B2 E	B2 E	B2 E	B2 E	B2 E
Water absorption	Volume Swell 7 days	%	< 5	< 10	< 10	< 10	-
Temperature	Operating temp.	C°	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60

VibraFlex®: Orange & blue
Static deflection



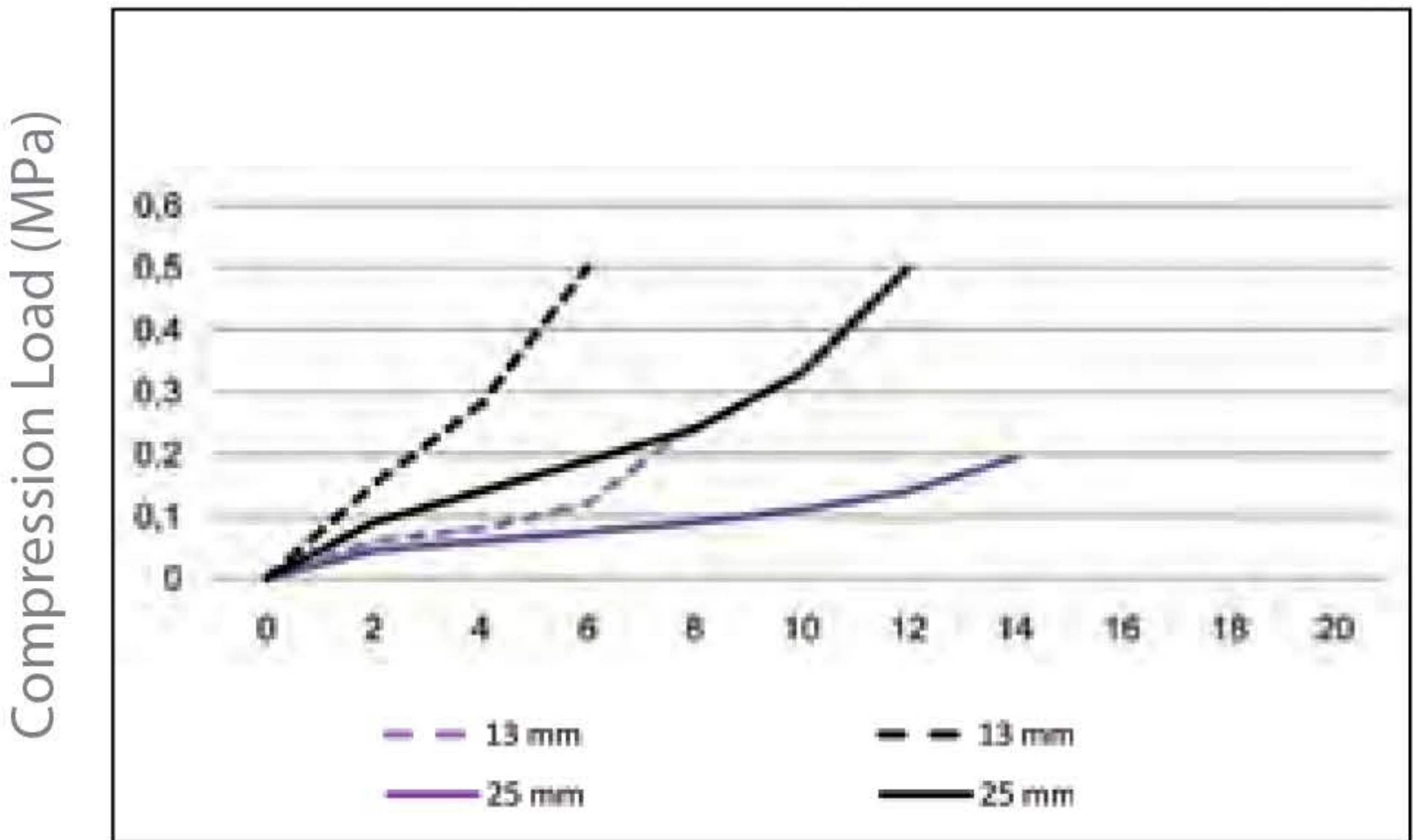
Compression deflection (mm)

VibraFlex®: Orange & blue
Dynamic deflection (2 Hz)



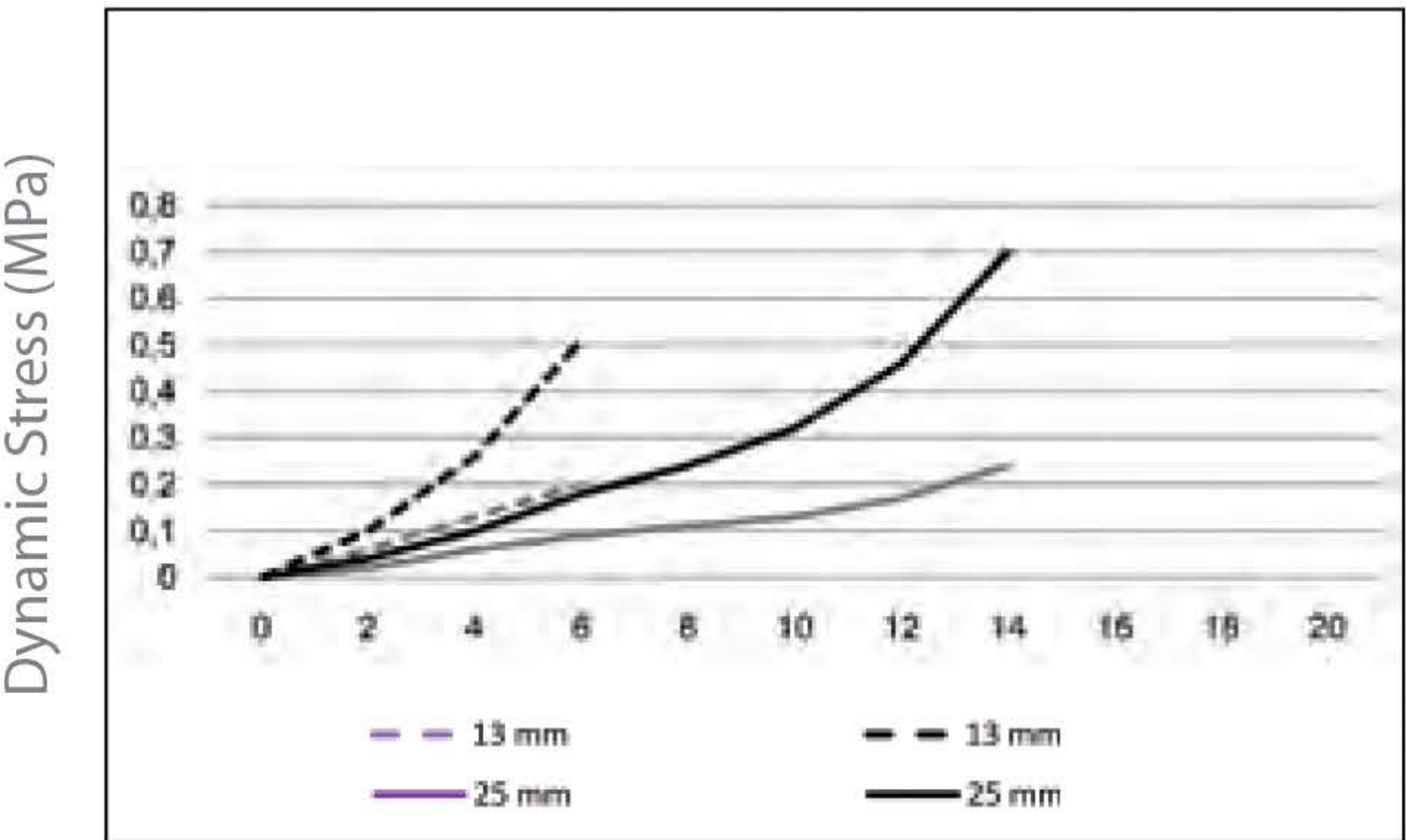
Compression deflection (mm)

VibraFlex®: Violet & black
Static deflection



Compression deflection (mm)

VibraFlex®: Violet & black
Dynamic deflection (2 Hz)



Compression deflection (mm)