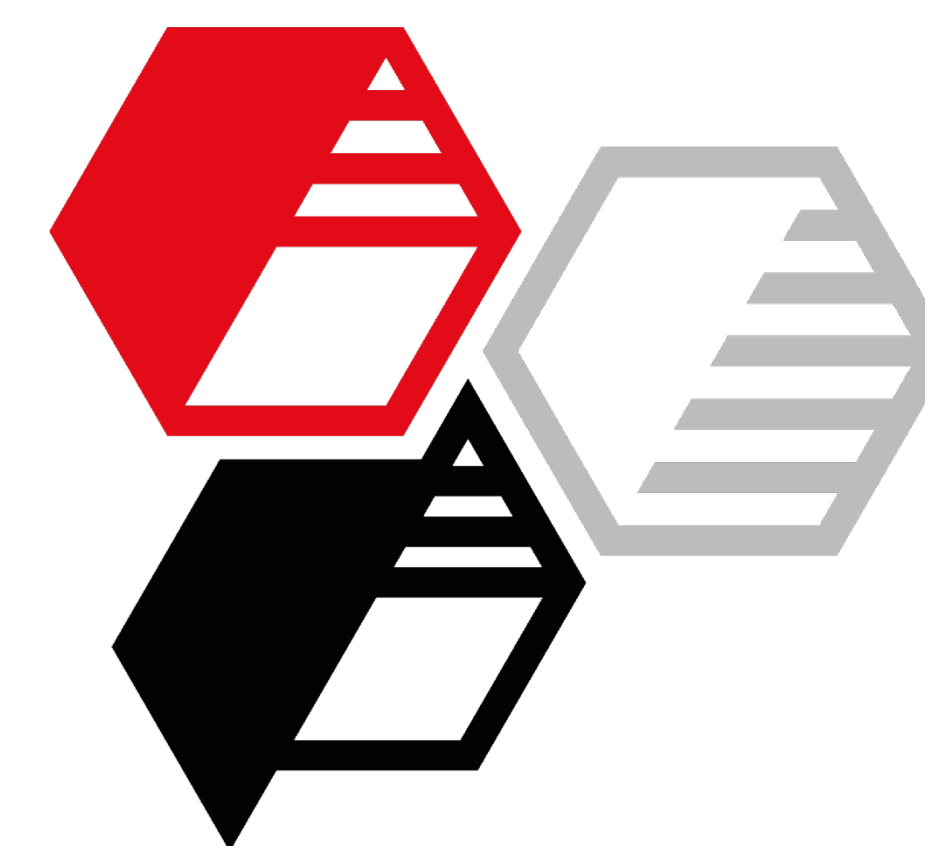


Neuburg Siliceous Earth 2K-Epoxy-Structural-Adhesive Toughened with reactive liquid rubber (ATBN)



Objective

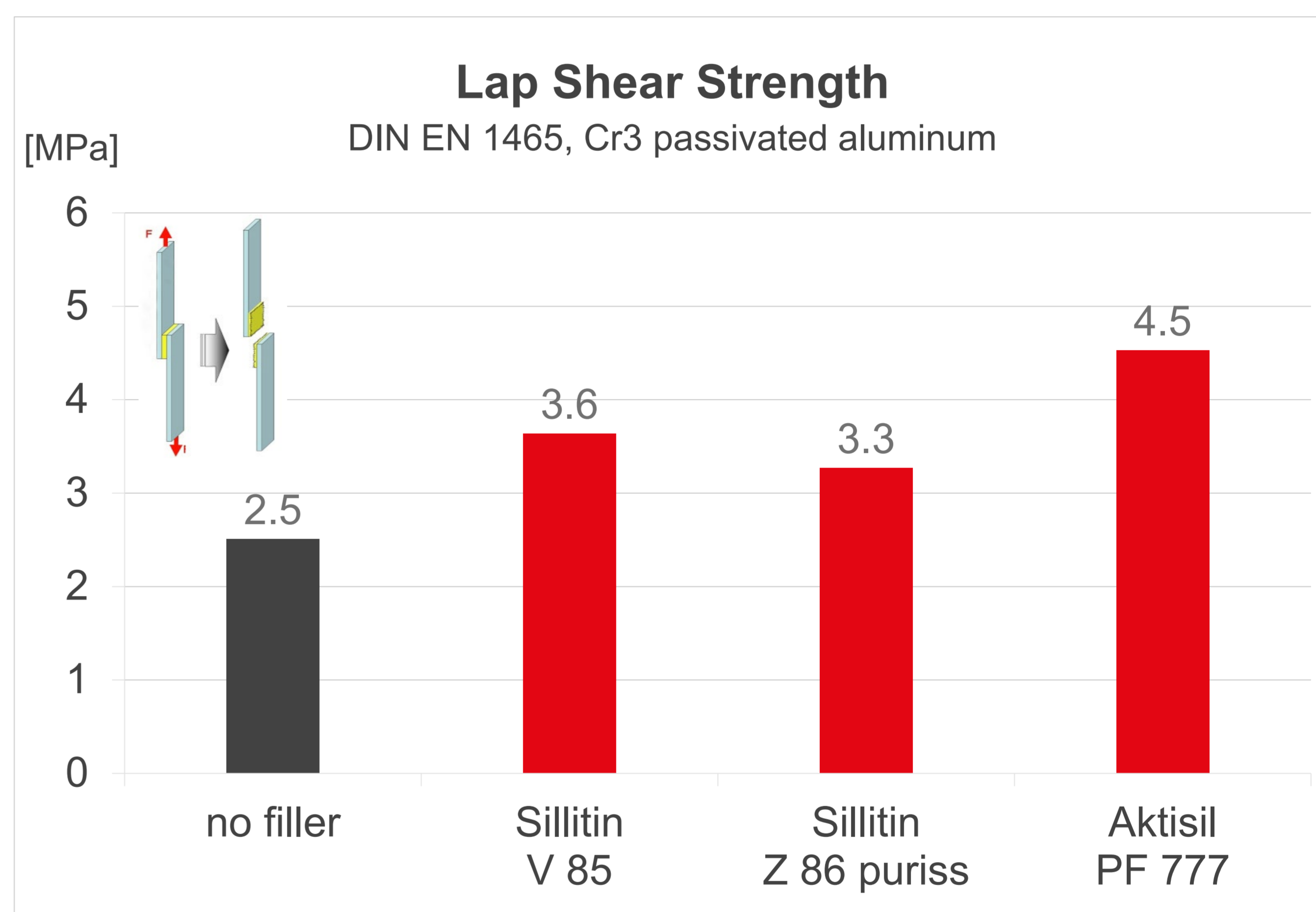
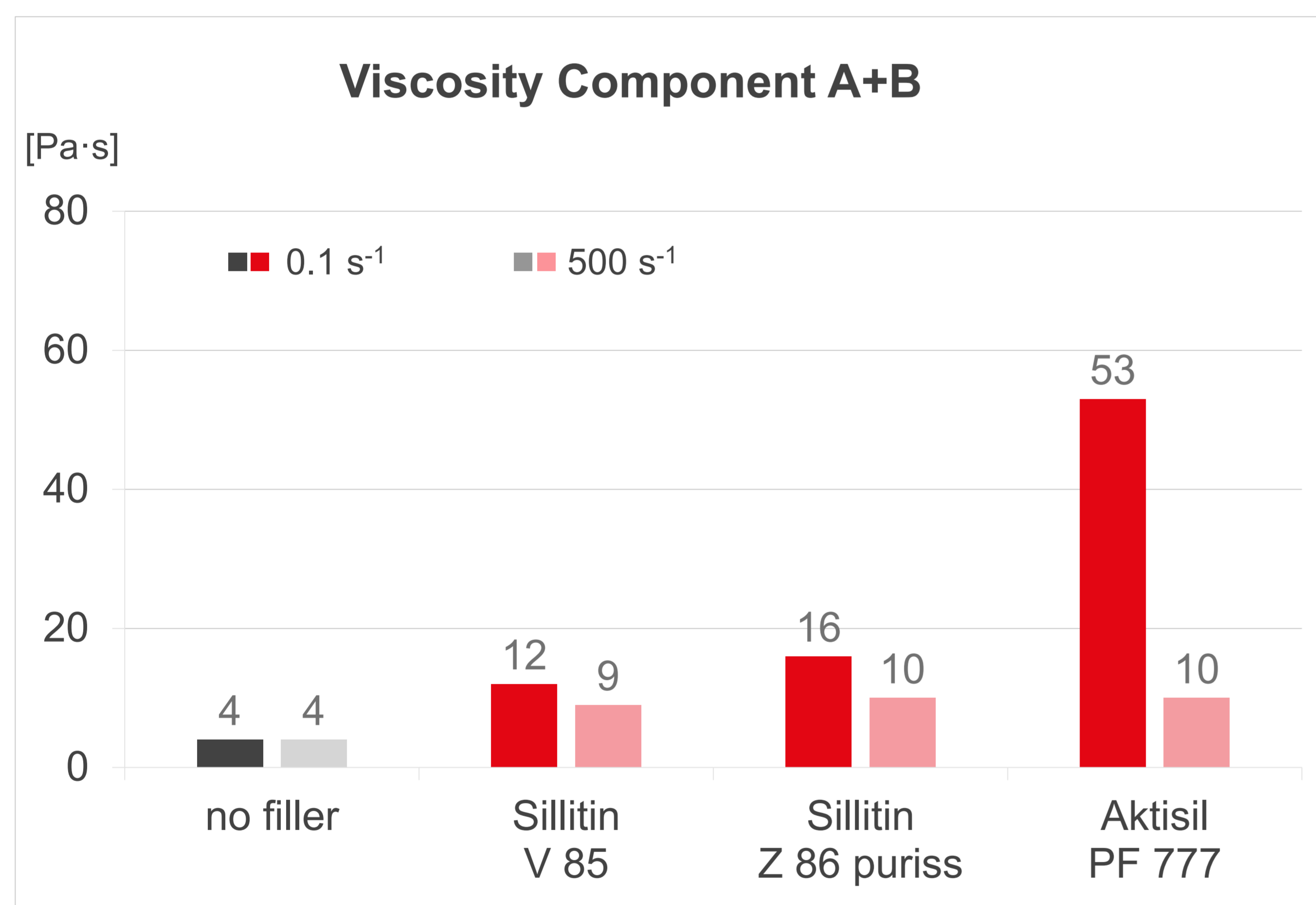
Improving adhesive strength

Formulation basics

	Material	Description	A	B
A	Epikote Resin 320	Epoxy-resin based on bisphenol A/F	100	100
	Neuburg Siliceous Earth	Filler	---	50
B	Epikure Curing Agent 05903	Hardener: mannich base	34	34
	Hypro 1300x16 ATBN	Toughener: reactive liquid rubber	8.5	8.5
	Total parts by weight		142.5	192.5



Results



Summary & Recommendation

Product specific benefits with **NSE** vs. unfilled formulation:

	Sillitin V 85	Sillitin Z 86 puriss	Aktisil PF 777
Viscosity	↑↑	↑↑	↑↑
Lap shear strength	+	0 / +	+
Peel resistance	0	0 / -	0 / -
Cost aspect	+++	+++	++
Note	standard product	easy to disperse	rheologically active