

Erkodent Info:

Restoring force and memory of aligning splints

Comparative tests of the recommended Erkodent foils for correction splints (aligners) over a period of 12 hours.

The height of each bar shows the memory loss of various types of foils, the higher the bar, the more loss of memory and efficacy.

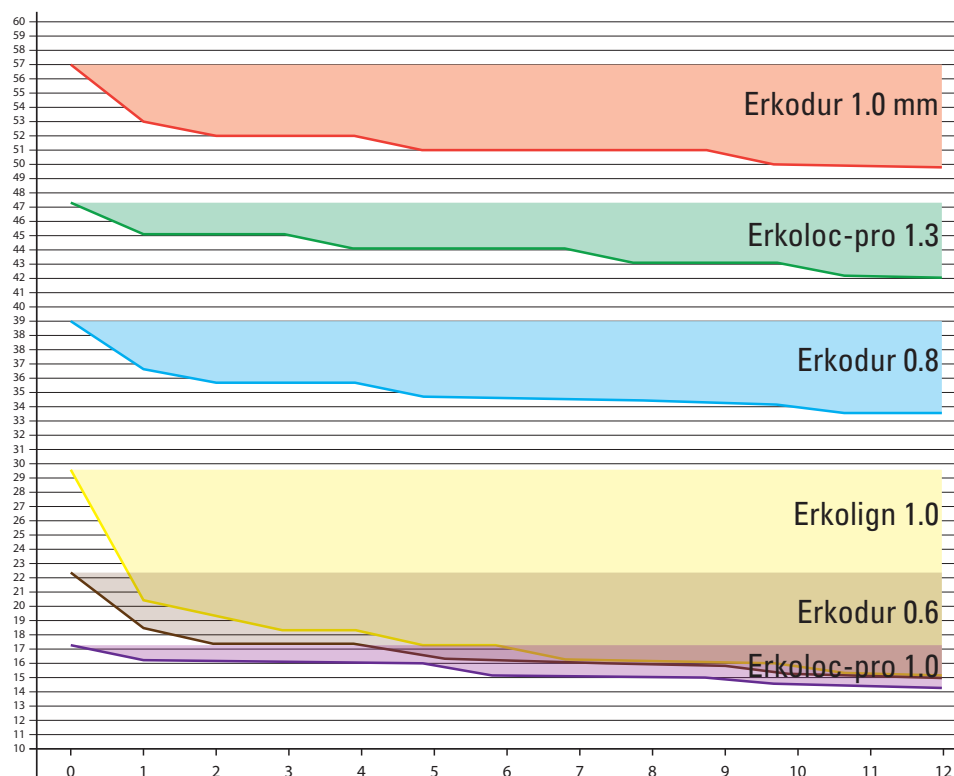
The flatter the curve or the lower the bar, the less restoring force, memory and efficacy will be lost.

The start of the curve on the vertical Y-axis shows the force acting against the deformation on the start of the trial. The course of the curve shows the force loss over 12 hours. This force allows comparative conclusions about the effective forces on the teeth.

How much initial force is suitable depends on the patient's case and is the decision of the practitioner.

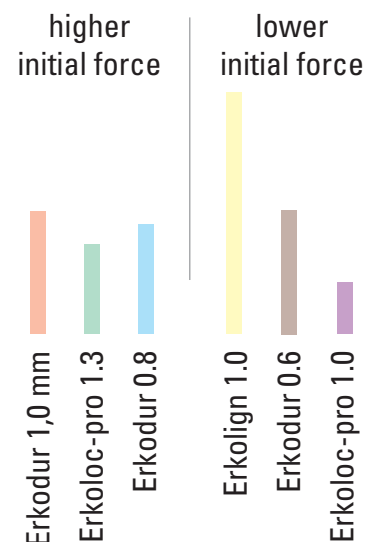
A small initial force is felt by the patient to be comfortable, but is accompanied by less corrective action.

Resistance force in Newton
Deflection, 2.3 mm



vertical Y-axis, Newton

X-axis, hours



Conclusion: Laminated materials (Erkoloc-pro) have more restoring force respectively memory. That is, the corrective force is maintained for longer.