

Analytical report

Elution behaviour of SAREMCO dental filling materials
measured by Univ.-Prof. Dr. Dr. Franz-Xaver Reichl

“Methacrylates are regarded as substances with high allergic potential. The higher the number of elutable methacrylates and the higher the amount of eluted methacrylates from dental materials, the greater the probability that sensitive patients can develop an allergy to it.”¹⁾

Material	Distilled Water			Methanol			Measured
	HEMA	TEGDMA	BisGMA	HEMA	TEGDMA	BisGMA	
els unibond	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	03/2016
els duobond	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	06/2013
cmf etch*	-	-	-	-	-	-	-
cmf prime	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	09/2012
cmf bond	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	09/2012
els composite	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	05/2014
els flow	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	09/2019
els bulkfill	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	09/2015
els seal	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	06/2011
els cem	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	06/2013
csp silane base*	-	-	-	-	-	-	-
csp silane activator*	-	-	-	-	-	-	-
apt unibond	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	11/2019
apt composite	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	03/2018
apt flow	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	07/2019
saremco print - CROWNTEC	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	07/2019
saremco print - DENTURETEC	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	05/2020

n.d. = not detected

* Due to their properties, these products do not contain any methacrylates.
Therefore no measurement was necessary.

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