

# R-SI-LINE® -Impression materials

## High-performance products for precision impressions



[www.r-dental.com](http://www.r-dental.com)

Product information



Bite to Perfection


# R-SI-LINE® -Impression materials

High-performance products for precision impressions

Since 1995 R-SI-LINE® -Impression materials (R-SI-LINE® means the R-dental-Silicone-Line) are used successfully worldwide as precision impression materials (Vinyl Poly Siloxanes, VPS).

## Introduction

There are R-SI-LINE® -Impression materials for all dental office indications. The following table correlates products and indications:

Products #	MSDS ➤ www.r-dental.com	Registrations	Anatomic impressions	Putty-wash technique	Sandwich technique	Functions-/ One phase	Implantological im- pressions	 CAD/CAM ➤	Gingiva model material for gingiva masks
R-SI-LINE® METAL-BITE® *	X	X						X	
R-SI-LINE® METAL-BITE® GOLD **	X	X						X	
R-SI-LINE® METAL-BITE® Blue ***	X	X						X	
R-SI-LINE® HARD-BITE	X	X							
R-SI-LINE® EXTRA-BITE	X	X							
INDIKATOR-ALGINAT (Alginat)	X		X						
R-SI-LINE® PUTTY	X			X <sup>E</sup>					
R-SI-LINE® PUTTY MATIC ****	X		X	X <sup>E</sup>	X				
R-SI-LINE® PUTTYSOFT	X				X				
R-SI-LINE® HEAVY EXACT K	X						X		
R-SI-LINE® HEAVY MATIC ****	X				X		X		
R-SI-LINE® HEAVY KINGSIZE	X				X		X		
R-SI-LINE® MONO S MATIC ****	X					X			
R-SI-LINE® MONO S	X					X			
R-SI-LINE® MEDIUM SH	X				X	X			
R-SI-LINE® LIGHT	X			X	X	X			
R-SI-LINE® UltraLIGHT SH	X			X					
KwikkModel® nature	X							X	
KwikkModel® SCAN	X							X	
KwikkModel® GINGIVA SOFT	X								X
KwikkModel® GINGIVA HARD SCAN	X							X	X

Tab. 1  
Products and  
indications

# Identically for super hydro (SH) -Products and fast set (FS) Products - the colour of the back ground is the colour of the impression material



\* Reference registration material, optional scan(n)able

\*\* scan(n)able A-Silicone, for a powderfree 3D-Data registration optimized for CEREC 3D

\*\*\* scan(n)able A-Silicone, for a powderfree 3D-Data registration optimized for CEREC BlueCam

\*\*\*\* MATIC-Products are designed for commercial quality, machine and automatic mixing devices

<sup>E</sup> PUTTY-wash first step impression should be the "individual tray" for the putty-wash second step impression

## Benefits at a glance:

We offer you R-SI-LINE® -Impression materials

- for all dental office indications (see Tab. 1),
- in practical, commercial quality cartridges (Automix),
- for commercial quality, machine mixing devices (our MATIC-Products),
- with PUTTY-like, hydrophilic consistency for machine mixing devices (PUTTY MATIC),
- with flexible, hydrophilic Hand-Mix consistencies (PUTTY, PUTTYSOFT),
- with excellent crack resistance for a secure preparation line and
- with hydrophilic to super hydrophilic precision correction materials for an excellent wetting of tooth areas and gingival areas and therefore with an excellent detail reproduction.

## Benefits

and R-SI-LINE®-Registration materials

- with comfortable working times (see Tab. 2),
- with shortest setting times,
- with highest Shore-D-hardness (40) and optional excellent scan(n)ability (CAD/CAM) and
- with globally recognised properties concerning precision and workability.




Further benefits

We pride ourselves on continuing annual REALITY AWARDS for METAL-BITE®.

R-SI-LINE®-Impression materials surpasses the requirements of the standards ISO 4823 (Dentistry - Elastomeric impression materials) and DIN 13903 (Dentistry - Jaw relation recording material). The following table correlates working times and setting times of normal set and fast set components and further high quality parameters of the above named standards:

Products*	Working time product - normal set	Setting time - time start mixing (Automatic) until end of intra-oral hardening - normal set	Working time product - fast set	Setting time - time start mixing (Automatic) until end of intra-oral hardening - fast set	Dimensional change after 24 h/%	Elastic recovery/%	Strain in compression/%	Shore-A/D-hardness ***
R-SI-LINE® METAL-BITE®	-	-	20''	65''	< 0,1	> 99.4	~ 0.5	94/40
R-SI-LINE® METAL-BITE® GOLD	-	-	20''	1'35''	< 0,1	> 99.4	~ 0.5	94/40
R-SI-LINE® METAL-BITE® Blue	-	-	20''	1'35''	< 0,1	> 99.4	~ 0.5	94/40
R-SI-LINE® HARD-BITE	-	-	20''	65''	< 0,1	> 99.4	~ 0.7	90
R-SI-LINE® EXTRA-BITE	25''	80''	-	-	< 0,1	> 99.4	~ 2.4	62
INDIKATOR-ALGINAT (Alginat)	-	-	1'20''	2'00''	< 0,1	> 95.0	~ 10	20
R-SI-LINE® PUTTY	1'30''	4'30''	1'	3'	< 0,1	> 98.6	~ 2.1	72
R-SI-LINE® PUTTY MATIC	1'30''	4'30''	-	-	< 0,1	> 98.8	~ 2.8	67
R-SI-LINE® PUTTYSOFT **	1'30''	4'30''	1'	3'	< 0,1	> 98.4	~ 2.4	68
R-SI-LINE® HEAVY EXACT K	2'	5'	-	-	< 0,1	> 98.6	~ 2	72 !
R-SI-LINE® HEAVY MATIC	2'	5'	1'30''	3'30''	< 0,1	> 99.8	~ 2.5	65
R-SI-LINE® HEAVY KINGSIZE	2'	5'	-	-	< 0,1	> 99.8	~ 2.5	65
R-SI-LINE® MONO S MATIC	2'	5'	1'30''	3'30''	< 0,1	> 99.2	~ 3.2	62
R-SI-LINE® MONO S	2'	5'	1'30''	3'30''	< 0,1	> 99.2	~ 3.2	62
R-SI-LINE® MEDIUM SH	2'	5'	1'30''	3'30''	< 0,1	> 99.4	~ 3.5	55
R-SI-LINE® LIGHT **	2'	5'	1'30''	3'30''	< 0,1	> 99.4	~ 4.4	48
R-SI-LINE® UltraLIGHT SH	2'	5'	1'30''	3'30''	< 0,1	> 99.6	~ 5.4	42
KwikkModel® nature	-	-	40''	2'00''	< 0,1	-	~ 0.8	90
KwikkModel® SCAN	-	-	40''	2'00''	< 0,1	-	~ 0.8	88
KwikkModel® GINGIVA SOFT	1'30''	8'	-	-	< 0,1	> 99.1	~ 4.9	40
KwikkModel® GINGIVA HARD SCAN	1'30''	8'	-	-	< 0,1	> 98.5	~ 1.8	69

\* Mentioned times are valid for 23 °C (73 °F)

\*\* Applies equally to super hydro (SH)-Products 

\*\*\* 24 h-Value according to DIN 53505 (Testing of rubber - Shore A and Shore D hardness test)

### Further benefits at a glance:

We offer you further on R-SI-LINE®-Impression materials

- with comfortable working times for stress free impressions,
- with intraoral normal set components,
- with intraoral fast set (FS) components,
- an excellent Snap-Set (this is a temporally steep, sigmoidal (S-form) phase history during the polymerization phase),
- with an excellent thixotropic behaviour (excellent standing - and flowable character, under pressure the consistency changes, it will become a lower viscosity and optimal flow),
- with optimized Shore-A-hardness and
- easy withdrawal from the mouth.

Tab. 2  
Products  
and high quality  
parameters

Further benefits

## Order information to R-SI-LINE®-Impression materials:

REF

Description:

Content:

Order-No.:

### Registration materials

R-SI-LINE® METAL-BITE®	2 car* à 50 ml + 12 mc* SXN	MBK1074
R-SI-LINE® METAL-BITE® GOLD	2 car à 50 ml + 12 mc SXN	MBK0750
R-SI-LINE® METAL-BITE® BLUE	2 car à 50 ml + 12 mc SXN	MBK0475
R-SI-LINE® HARD-BITE	2 car à 50 ml + 12 mc SXN	HBK1076
R-SI-LINE® EXTRA-BITE	2 car à 50 ml + 12 mc SXN	EBK1075
INDICATOR-ALGINATE (alginate)	1 bag à 450 g	ALG1000

### High viscosity impression materials

R-SI-LINE® PUTTY	2 pots à 600 g (1.200 g)	PUT1010
R-SI-LINE® PUTTY FS (FS, fast set)	2 pots à 600 g (1.200 g)	PUT1010FS
R-SI-LINE® PUTTY MATIC (machine)	1 car à 380 ml + 10 mc MATIC BR	PMK1013
R-SI-LINE® PUTTYSOFT	2 pots à 600 g (1.200 g)	PUS1020
R-SI-LINE® PUTTYSOFT FS (FS, fast set)	2 pots à 600 g (1.200 g)	PUS1020FS
R-SI-LINE® PUTTYSOFT SH (SH, super hydro)	2 pots à 600 g (1.200 g)	PUS1020SH
R-SI-LINE® PUTTYSOFT SH FS (SH, FS, fast set)	2 pots à 600 g (1.200 g)	PUS1020SHFS

### Regular - to high viscosity impression materials

R-SI-LINE® HEAVY EXACT K	2 car à 50 ml + 12 mc SXN	HEK1026
R-SI-LINE® HEAVY MATIC (machine)	1 car à 380 ml + 10 mc MATIC BR	HMK1053
R-SI-LINE® HEAVY MATIC FS (FS, machine)	1 car à 380 ml + 10 mc MATIC BR	HMK1053FS
R-SI-LINE® HEAVY KINGSIZE	2 car à 75 ml + 12 mc SXN	HKK1051

### Regular viscosity one-phase - and functional impression materials

R-SI-LINE® MONO S MATIC (machine)	1 car à 380 ml + 10 mc MATIC BR	MMK1053
R-SI-LINE® MONO S MATIC FS (FS, machine)	1 car à 380 ml + 10 mc MATIC BR	MMK1053FS
R-SI-LINE® MONO S	2 car à 50 ml + 12 mc SN	MOK1050
R-SI-LINE® MONO S FS (FS, fast set)	2 car à 50 ml + 12 mc SN	MOK1050FS

### Regular - to low viscosity correction impression materials

R-SI-LINE® MEDIUM SH (SH, super hydro)	2 car à 50 ml + 12 mc LN	MEK1030SH
R-SI-LINE® MEDIUM SH FS (SH, FS, fast set)	2 car à 50 ml + 12 mc LN	MEK1030SHFS

### Low viscosity correction impression materials

R-SI-LINE® LIGHT	2 car à 50 ml + 12 mc LN	LIK1040
R-SI-LINE® LIGHT FS (fast set)	2 car à 50 ml + 12 mc LN	LIK1040FS
R-SI-LINE® LIGHT SH (SH, super hydro)	2 car à 50 ml + 12 mc LN	LIK1040SH
R-SI-LINE® LIGHT SH FS (SH, FS, fast set)	2 car à 50 ml + 12 mc LN	LIK1040SHFS

### Very low viscosity correction impression materials

R-SI-LINE® UltraLIGHT SH (SH, super hydro)	2 car à 50 ml + 12 mc LN	ULK1043SH
R-SI-LINE® UltraLIGHT SH FS (SH, FS, fast set)	2 car à 50 ml + 12 mc LN	ULK1043SHFS

### Model silicones

KwikkModel® nature	2 car à 50 ml/75 ml + acc*	KMK1077
KwikkModel® SCAN	1 car à 50 ml + acc	KMK1088

### Precision gingiva model materials for gingiva masks

KwikkModel® GINGIVA SOFT	2 car à 50 ml + 12 mc SN	KMG4000
KwikkModel® GINGIVA HARD SCAN	2 car à 50 ml + 12 mc SN	KMG0475

\* car = cartridge, mc = mixing cannula, acc = accessories

Literature: For detailed literature see >> [www.r-dental.com](http://www.r-dental.com).

\* R-SI-LINE, METAL-BITE and KwikkModel are registered trademarks of R-dental Dentalerzeugnisse GmbH. Product changes and errors excepted.  
© R-dental Dentalerzeugnisse GmbH 2021. All rights reserved. V 12/2021.

Further products, information and R-dental manufacturer catalogue (paper-app®):

R-dental Dentalerzeugnisse GmbH • Winterhuder Weg 88 • 22085 Hamburg • Germany  
T +49 (0)40-30707073-0 • F +49 (0)40-30707073-73 • E [info@r-dental.com](mailto:info@r-dental.com) • I [www.r-dental.com](http://www.r-dental.com)



Literature

Contact



Katalog paper-app®