

SPECIALIST IN SILICONE TECHNOLOGY



#1605, Miwon Bldg., 70, Gukjegeumyung-ro, Yeongdeungpo-gu, Seoul, KOREA 07333 • Tel. 82-2-780-6156~8 • Fax. 82-2-785-7643 [PYEONGTAEK PLANT] 7, Chupalsandan 2-gil, Paengseong-eup, Pyeongtaek-si, Gyeonggi-do, KOREA 17998 • Tel. 82-31-655-8822 • Fax. 82-31-691-5901 103-15, Sinbong-gil, Yeongin-myeon, Asan-si, Chungcheongnam-do, KOREA 31401 • Tel. 82-41-543-4003 • Fax. 82-41-543-4006 Plant 1, Science & Technology Park No.777 Kangyuan Road, Suzhou Xiangcheng Economic Development Zone • Tel. 86-512-6939-0288 • Fax. 86-512-6618-9388

Silicone Technology HRS

SPECIALIST IN SILICONE TECHNOLOGY

We pledge to return the affection and interest that our clients have given by developing even better technologies and products through the attitude of ceaselessly pursuing researches.

HRS Co., Ltd. without being content with our current successes, has been steadfastly treading a single path with strong passion for the goal of achieving better future for everyone and played the core role in the advancement of silicone industry. We are putting in our utmost efforts to become an outstanding company that leads the materials industry through the reinforcement of the internal core capabilities, enhancement of corporate images and practicing of customer satisfaction by continuous management innovation and development of new technologies.

HRS Co., Ltd. that manufactures silicone that can be found in all aspects of our daily lives from the automobile components to advanced industrial materials as well as medical products is endeavoring to provide full satisfaction of our customers by putting in our utmost efforts.

We ask that you continue to have interest in HRS Co., Ltd. striving to make even further progresses through exchange of information and communication with our customers, stockholders and netizens in the future. Moreover, we would like to ask for your continued support and unsparing encouragement in order for HRS Co., Ltd. to create future filled with abundance and hope by fully exhibiting our capabilities.



www.hrssilicone.com www.hrssilicone.com.cn

CONTENTS

04 HRS HISTORY

08 DENTAL IMPRESSION MATERIALS

Sildent[™] Light Sildent[™] Regular Sildent[™] Heavy Sildent[™] Putty Sildent[™] FAST Light Sildent[™] FAST Heavy Sildent[™] BITE

15 CERTIFICATES

TAKING THE FIRST STEP WITH SILICONE WITH THE LONG-CHERISHED DESIRE FOR INDEPENDENT DOMESTIC PRODUCTION

1980's

- 1987.06 Developed the basic technology for silicone gum compounding
- **1986.08** Developed the technology for primary synthesis of silicone gum
- (collaborate with KAIST for the first time in the country) 1985.03 Changed the name to Hae Ryong Silicone Co., Ltd.
 - Moved to the new Plant in Gimpo-si
- 12 Acquired U.L Standard(UL 94 V-0, Flammability Standard)
- 1983.10 Awarded for New Material development by the minister of the Ministry of commerce and industry
- 1981.07 Incorporated Hae Ryong (started developing the manufacturing technology of silicone rubber Compound)
- 1978.05 Established Hae Ryong Trading Company(Importing business of silicone rubber)

CATAPULTING TO THE STATUS OF A EVERY LARGER CORPORATION BY UTILIZING CRISIS AS OUR OPPORTUNITIES

- 1990's
- 1995.11
 Exported silicone rubber amounting more than \$5,000,000 for the first time in the country(Awarded "the tower of 5 million dollar export" as the prize)
- 12 Acquired the certification of EM mark(silicone RTV foam)
- 1993.05 National Industrial Technology Center Supplied and installed Fire Stop Seal for the 3rd and 4th Yeonggwang nuclear power plant
 11 Developed the technology to manufacture the silicone RTV foam
- (collaborate with National Industrial Technology Center)
- 1991.07 Developed the technology to manufacture the silicone rubber for general grade silicone rubber for general grade molding
- 10 Established sales agencies in Southeast Asia
- (8 Countries including Taiwan and Malaysia)
- 1990.09 Contract with Bayer AG in Germany for technological affiliation and sales in Southeast Asia

2000's

- 2009.07 Acquired LFGB certificate from TUV Rheinland
 - 09 Developed dental impression materials and Acquired KGMP certificate09 Acquired the certification of certificate of supplier quality(SQ) from Hyundai,
 - Kia Motor Company
 - 12 Acquired ISO 13485 certificate
- 2008.10 Construction completed for Asan Plant
 - 11 Awarded "the tower of 10 million dollar export" as the prize(KITA)
- 2007.03 Changed the company name to HRS Co., Ltd.
 - 07 Form strategic alliance with 'D' Corporation for Silicone rubber
 - 11 Acquired ISO 14001 certificate
- 2006. 08 Appointed new CEO(co CEO: Ms. Sung Ja, Kang & Mr. Won Yeong, Jl)
 2004. 08 Construction completed for Pyeong-teak Plant(HCR, LSR, RTV, POLYMER line)
 2003. 09 Acquired ISO 9001 certificate
 2000. 05 Listed on KOSDAQ

2010's ~ Now

- 2017.03 Appointed new CEO(CEO : jin sung, Kim)
- 2016.03 Appointed new CEO(CEO : Ms. Sung Ja Kang) 11 Acquired CFDA(Sildent-Dental impression materials)
- 2014.03 Selected as "The Proud SME Businessman of the Month")
 - 06 Acquired FDA (Sildent-Dental impression materials)
 - 11 Acquired the patent for Liquid silicone composition for back light unit lamp holder of Liquid crystal display
- 2013.10 Acquired the certification of Hyundai Rotem Supplier Quality(RSQ)
- 2012.03 Selected as "THE BEST TAXPAYER" (Pyeongtaek district tax office)04 Selected as "global hidden champion"
 - (the Small and Medium Business Administration) 09 Selected as "KOTRA GLOBAL BRAND(BLUE)"
- 2011.05 Suzhou haeryong silicone co.,Ltd. Was established in CHINA
- 2010.07 Supply agreement between 'H' Corporation and HRS
 - 09 Selected as "INNO-BIZ"



SEOUL OFFICE

- Main Businesses
- Trade Team Finance Team HR/IR Team Strategy & Planning Team

PYEONGTAEK PLANT

Main Businesses

HCR(High Consistency Silicone Rubber) LSR(Liquid Silicone Rubber) RTV(F/S) Silicone Rubber Silicone Gum/Polymer DM(Dental Impression Materials) EMULSION(Silicone for personal care)

ASAN PLANT

Main Businesses

Rubber Article Silicone Sheet(S/S) PSA(Pressure Sensitive Adhesive)

ACHIEVEMENT OF STATUS AS A SPECIALIZED COMPANY IN ORDER TO OPEN THE SUSTAINABLE FUTURE OF THE SILICONE RUBBER INDUSTRY

ESTABLISHING OF FIRM STATUS AS A COMPANY SPECIALIZING IN MANUFACTURING OF SILICONE RUBBER, A FUNCTIONAL MATERIAL EVERYONE DREAMS OF IN THE 21ST CENTURY

CHINA PLANT

Main Businesses

Rubber Article Silicone Sheet(S/S) For a happy, Healthy life

Sildent **Dental Impression Materials**

We pledge to return the affection and interest that our clients have given by developing even better technologies and products through the attitude of ceaselessly pursuing researches.



HRS



IRS

Sildent

Made in Ang

Sildent * Sildent Regular Body HYDROPHILIC VINYL POLYSILOXANE IMPRESSION MATERIAL ISO 4823 TYPE 2 LICENSED : 09-538 MEDIUM CONSISTENCY

HRS

Sildent Made in Korea A Start

HYDROPHILIC VINYL POLYSILOXANE IMPRESSION MATERIAL ISO 4823 TYPE 1 LICENSED : 09-536 HIGH CONSISTENCY

Sildent

Silden © [743] Made in Korsa A COVER

the designment of a



Sild HYDROF IMPRF

ō

en.

Working Time of Softing Time: Lot:

Sildent[®]

dent

Sildent™ **BITE** Sildent[™] **FAST** Heavy Body Sildent[™] **FAST** Light Body Sildent™ Heavy Body Sildent[™] Regular Body Sildent[™] Light Body Sildent[™] Putty





Sildent™ **Light Body**

TECHNICAL DATA

Physical & Mechanical Property	Physical & Mechanical Property Standard		
Viscosity (mm)	Min. 3	Min. 36mm	
Mixing Time (sec)	Cartridge Type	Auto-Mixing	
Mixing Ratio	Base : Catalyst	1:1	
Working Time (sec)	More th	More than 1min	
Color	Base : Green	Catalyst : White	
Setting Time (min)	4min (in t	4min (in the mouth)	
Strain in Compression (%)	within	within 10 %	
Recovery from deformation (%)	Min. 99.5%		
Linear Dimensional change (%)	within 0.2 %		
Reproducibility (µm)	20µm reproduce		
Affinity with plaster (µm)	50µm reproduce		
° storage temperature 12℃ to 25℃			

PACKAGING

- 5 cartridges(Base + Catalyst), 50ml each - 2 cartridges(Base + Catalyst), 50ml each

INDICATIONS

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions
- Implant impressions
- Denture and partial denture impressions

BENEFITS

- Excellent flow properties
- Hydrophilic properties for excellent flow in wet environment
- High tear strength from deformation
- Working time is secured sufficiently by Snap-set technology
- Extraordinary stability
- Excellent detail reproduction



Sildent™ **Regular Body**



TECHNICAL DATA

Thysical a meenanical Troperty		
osity (mm)		

rown and bridge impressions. lay and onlay impressions. unctional impressions. enture and partial denture impressions ENEFITS xcellent elastic recovery	Image Time (sec) Cartridge Type Auto-Mixing ing Ratio Base : Catalyst 1 : 1 rking Time (sec) More than 1min or or Base : Blue Catalyst : While ing Time (min) 4min (in the mouth) atin in Compression (%) within 10 % scovery from deformation (%) Min. 99.5% scovery from deformation (%) mithin 0.2 % producibility (um) 20um reproduce produce getemperature 12% to 25% scovery from deformation 12% to 25% CKAGING Source Catalyst), 50ml each scovery from deformation 11% to 25% scovery from deformation 12% to 25% CKAGING Source Catalyst), 50ml each scovery from deformation 12% to 25% scovery from deformation 12% to 25% DICATIONS source and bridge impressions. source and bridge impressions. source and partial denture impressions Nurre and partial denture impressions nurre and partial denture impressions source and partial denture impressions Scellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability source and source	Image: Second	Time (sec)Cartridge TypeAuto-MixingRatioBase : Catalyst1 : 1
xing Ratio Base : Catalyst 1 : 1 orking Time (sec) More than 1 min olor Base : Blue Catalyst : White titing Time (min) 4min (in the mouth) Catalyst : White rain in Compression (%) within 10 % Socovery from deformation (%) Min. 99.5% near Dimensional change (%) within 0.2 % Source produce Source produce age temperature 12°C to 25°C Source produce Source produce Source produce DICATIONS rown and bridge impressions. Source prossions. Source provide the prossions. Source provide the prossions. aplant impressions. enture and partial denture impressions enture and partial denture impressions ENEFITS	ing Ratio Base : Catalyst 1 : 1 rking Time (sec) More than 1 min Catalyst : White or Base : Blue Catalyst : White ting Time (min) 4min (in the mouth) ain in Compression (%) within 10 % covery from deformation (%) Min. 99.5% aar Dimensional change (%) within 0.2 % producibility (µn) 20µm reproduce 50µm reproduce nity with plaster (µn) 50µm reproduce for the formation of traordinary stability for the formation of the formation of traordinary stability for the formation of the formation traordinary stability	tio Base : Catalyst 1 : 1 ime (sec) More than 1 min Base : Blue Catalyst : While me (min) 4 min (in the mouth) compression (%) within 10 % from deformation (%) Min. 99.5% mensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce AGING ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each for the properties for excellent flow in wet environment r strength from deformation inary stability	Ratio Base : Catalyst 1 : 1
rking Time (sec) More than 1 min or Base : Blue Catalyst : White ting Time (min) 4min (in the mouth) ain in Compression (%) within 10 % scovery from deformation (%) Min. 99.5% scovery from deformation (%) min. 99.5% scovery from deformation (%) within 0.2 % covery from deformation (%) min. 99.5% scovery from deformation (%) within 0.2 % covery from deformation (%) min. 99.5% scovery from deformation (%) within 0.2 % covery from deformation (%) covery from deformation (%) scovery from deformation (%) within 0.2 % covery from deformation (%) covery from deformation (%) scovery from deformation (%) within 0.2 % covery from deformation (%) covery from deformation (%) get temperature 12°C to 25°C CKAGING from deformation (%) from deformation (%) <t< td=""><td>Image: Sec in the image: Sec in the</td><td>Ime (sec) More than 1 min Base : Blue Catalyst : White me (min) 4 min (in the mouth) compression (%) within 10 % from deformation (%) Min. 99.5% nensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce reture 12°C to 25°C AGING ATIONS ad partial denture impressions. ad partial denture impressions. ad partial denture impressions and partial denture impressions FITS t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability</td><td></td></t<>	Image: Sec in the	Ime (sec) More than 1 min Base : Blue Catalyst : White me (min) 4 min (in the mouth) compression (%) within 10 % from deformation (%) Min. 99.5% nensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce reture 12°C to 25°C AGING ATIONS ad partial denture impressions. ad partial denture impressions. ad partial denture impressions and partial denture impressions FITS t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	
lor Base : Blue Catalyst : While ting Time (min) 4min (in the mouth) 4min (in the mouth) ain in Compression (%) within 10 % covery from deformation (%) Min. 99.5% ear Dimensional change (%) within 0.2 % producibility (µm) 20µm reproduce inity with plaster (µm) 50µm reproduce ge temperature 12°C to 25°C CKAGGING DICATIONS own and bridge impressions. ay and onlay impressions. ay and onlay impressions. enture and partial denture impressions enture and partial denture impressions ENEFITS ccellent elastic recovery	or Base : Blue Catalyst : White ing Time (min) 4min (in the mouth) 4min (in the mouth) ain in Compression (%) within 10 % covery from deformation (%) Min. 99.5% ear Dimensional change (%) within 0.2 % producibility (µm) 20µm reproduce nity with plaster (µm) 50µm reproduce ge temperature 12°C to 25°C CKAGING DICATIONS Soml each pown and bridge impressions. say and onlay impressions. nctional impressions. numeressions. plant impressions. numeressions. numeressions. numeressions. plant impressions. numeressions. numeressions. numeressions. plant impressions. numeressions. numeressions. numeressions. college to properties for excellent flow in wet environment gh tear strength from deformation traordinary stability <td>Base : Blue Catalyst : White me (min) 4min (in the mouth) compression (%) within 10 % from deformation (%) Min. 99.5% nensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce rature 12℃ to 25℃ AGING AGING ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each and partial denture impressions. al impressions. and partial denture impressions and partial denture impressions and partial denture impressions fille properties for excellent flow in wet environment r strength from deformation inary stability impression</td> <td>g Time (sec) More than 1min</td>	Base : Blue Catalyst : White me (min) 4min (in the mouth) compression (%) within 10 % from deformation (%) Min. 99.5% nensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce rature 12℃ to 25℃ AGING AGING ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each and partial denture impressions. al impressions. and partial denture impressions and partial denture impressions and partial denture impressions fille properties for excellent flow in wet environment r strength from deformation inary stability impression	g Time (sec) More than 1min
titing Time (min) 4min (in the mouth) ain in Compression (%) within 10 % covery from deformation (%) Min. 99.5% ear Dimensional change (%) within 0.2 % producibility (µm) 20µm reproduce nity with plaster (µm) 50µm reproduce ge temperature 12°C to 25°C CKAGING DICATIONS own and bridge impressions. ay and onlay impressions. notional impressions. plant impressions. enture and partial denture impressions SNEFFITS cellent elastic recovery	Image: Time (min) 4min (in the mouth) ain in Compression (%) within 10 % covery from deformation (%) Min. 99.5% ear Dimensional change (%) within 0.2 % producibility (µm) 20µm reproduce nity with plaster (µm) 50µm reproduce ge temperature 12°C to 25°C CKAGING DICATIONS Some and bridge impressions. ay and onlay impressions. ay and onlay impressions. notional impressions. nutre and partial denture impressions CNEFITS cellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability 1	Image: main (init) 4 min (in the mouth) Scompression (%) within 10 % from deformation (%) Min. 99.5% nensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce rature 12°C to 25°C AGING ACTIONS and partial denture impressions. ad onlay impressions. and partial denture impressions and partial denture impressions and partial denture impressions r strength from deformation inary stability in wet environment inary stability	
rain in Compression (%) within 10 % accovery from deformation (%) Min. 99.5% hear Dimensional change (%) within 0.2 % aproducibility (µm) 20µm reproduce finity with plaster (µm) 50µm reproduce age temperature 12°C to 25°C CKAGGING Compressions. 50ml each cartridges(Base + Catalyst), 50ml each If the Borger (µm) to 100 to 25°C DICATIONS For each produce age temperature 12°C to 25°C If the Borger (µm) to 100 to 25°C DICATIONS For each produce age temperature 12°C to 25°C If the Borger (µm) to 100 to 25°C DICATIONS For each produce age temperature 12°C to 25°C If the Borger (µm) to 100 to	Image: Compression (%) within 10 % covery from deformation (%) Min. 99.5% ear Dimensional change (%) within 0.2 % producibility (µm) 20µm reproduce nity with plaster (µm) 50µm reproduce ge temperature 12°C to 25°C CKAGING CKAGING Cover and bridge impressions. aartridges(Base + Catalyst), 50ml each Catalyst), 50ml each continue and pridge impressions. Some cover and bridge impressions. plant impressions. Impressions. nture and partial denture impressions Impressions cellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability Impression	Compression (%) within 10 % from deformation (%) Min. 99.5% hensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce rature 12°C to 25°C George (Base + Catalyst), 50ml each AGING ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each George (Parket) Attions and bridge impressions. al impressions. and partial denture impressions FITS t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	Base : Blue Catalyst : White
Image temperature 12°C to 25°C	Covery from deformation (%) Min. 99.5% ear Dimensional change (%) within 0.2 % producibility (µm) 20µm reproduce nity with plaster (µm) 50µm reproduce ge temperature 12°C to 25°C CKAGING CKAGING If the cover of the cover	from deformation (%) Min. 99.5% nensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce rature 12°C to 25°C AGING ges(Base + Catalyst), 50ml each 10 bridge impressions. ad onlay impressions. ad partial denture impressions and partial denture impressions and partial denture impressions t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	Time (min) 4min (in the mouth)
near Dimensional change (%) within 0.2 % aproducibility (µm) 20µm reproduce inity with plaster (µm) 50µm reproduce age temperature 12°C to 25°C CKAGGING Cartridges(Base + Catalyst), 50ml each If the second se	aar Dimensional change (%) within 0.2 % producibility (µm) 20µm reproduce nity with plaster (µm) 50µm reproduce ge temperature 12°C to 25°C CKAGING control of the second seco	nensional change (%) within 0.2 % ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce rature 12°C to 25°C AGING ges(Base + Catalyst), 50ml each If the control of the	n Compression (%) within 10 %
approducibility (µm) 20µm reproduce finity with plaster (µm) 50µm reproduce age temperature 12°C to 25°C CKAGING Cartridges(Base + Catalyst), 50ml each Impressions. cartridges(Base + Catalyst), 50ml each Impressions. DICATIONS Impressions. notional impressions. Impressions. notional impressions. Impressions. notional impressions. Impressions. enture and partial denture impressions Impressions	Image: Sector of the sector	Ibility (µm) 20µm reproduce h plaster (µm) 50µm reproduce rature 12°C to 25°C AGING ges(Base + Catalyst), 50ml each If the pression of the pression o	ry from deformation (%) Min. 99.5%
Inity with plaster (µm) 50µm reproduce age temperature 12°C to 25°C ACKAGING Ccartridges(Base + Catalyst), 50ml each cartridges(Base + Catalyst), 50ml each DICATIONS rown and bridge impressions. agat and onlay impressions. aplant impressions. enture and partial denture impressions enture and partial denture impressions	nity with plaster (µm) 50µm reproduce CKAGING Partridges(Base + Catalyst), 50ml each PICATIONS DICATIONS Down and bridge impressions. ay and onlay impressions. nctional impressions. plant impressions. nture and partial denture impressions CNEFITS cellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability	h plaster (µm) 50µm reproduce AGING ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each des(Base + Catalyst), 50ml each al impressions. al impressions. and partial denture impressions FITS t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	Dimensional change (%) within 0.2 %
petemperature 12°C to 23°C CKAGING artridges(Base + Catalyst), 50ml each artridges(Base + Catalyst), 50ml each or and bridge impressions. ay and onlay impressions. blant impressions. hture and partial denture impressions mture and partial denture impressions cellent elastic recovery	petemperature 12°C to 25°C CKAGING artridges(Base + Catalyst), 50ml each artridges(Base + Catalyst), 50ml each DICATIONS own and bridge impressions. ay and onlay impressions. blant impressions. blant impressions. nuture and partial denture impressions NEFFITS cellent elastic recovery drophilic properties for excellent flow in wet environment th tear strength from deformation traordinary stability	AGING ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each ATIONS nd bridge impressions. d onlay impressions. al impressions. and partial denture impressions and partial denture impressions et elastic recovery life properties for excellent flow in wet environment r strength from deformation inary stability	ucibility (µm) 20µm reproduce
CKAGING atridges(Base + Catalyst), 50ml each atridges(Base + Catalyst), 50ml each DCCATIONS wn and bridge impressions. atrid myressions. both impressions. both impre	CKAGING artridges(Base + Catalyst), 50ml each artridges(Base + Catalyst), 50ml each DICATIONS wn and bridge impressions. y and onlay impressions. otional impressions. ohant impressintent	AGING ges(Base + Catalyst), 50ml each ges(Base + Catalyst), 50ml each ATIONS nd bridge impressions. a onlay impressions. a impressions. and partial denture impressions FITS t elastic recovery lic properties for excellent flow in wet environment r strength from deformation inary stability	with plaster (µm) 50µm reproduce
ENEFITS xcellent elastic recovery	Inture and partial denture impressions Impressions Intersection Impressint Inters	Impressions. Impressions and partial denture impressions Impressions FITS It elastic recovery ilic properties for excellent flow in wet environment Impressions r strength from deformation Impressions inary stability Impressions	- do , r Lik do , r Lik do , r Lik
ENEFITS xcellent elastic recovery	Inture and partial denture impressions Impressions Intersection Impressint Inters	Impressions. Impressions and partial denture impressions Impressions FITS It elastic recovery ilic properties for excellent flow in wet environment Impressions r strength from deformation Impressions inary stability Impressions	
ENEFITS xcellent elastic recovery	Inture and partial denture impressions Impressions Intersection Impressint Inters	Impressions. Impressions and partial denture impressions Impressions FITS It elastic recovery ilic properties for excellent flow in wet environment Impressions r strength from deformation Impressions inary stability Impressions	CATIONS Store State
ENEFITS xcellent elastic recovery	Inture and partial denture impressions Impressions Intersection Impressint Inters	Impressions. Impressions and partial denture impressions Impressions FITS It elastic recovery ilic properties for excellent flow in wet environment Impressions r strength from deformation Impressions inary stability Impressions	and bridge impressions.
ENEFITS xcellent elastic recovery	Inture and partial denture impressions Impressions Intersection Impressint Inters	Impressions. Impressions and partial denture impressions Impressions FITS It elastic recovery ilic properties for excellent flow in wet environment Impressions r strength from deformation Impressions inary stability Impressions	nd onlay impressions.
ENEFITS Recellent elastic recovery widenabilia prepartia for avapulant flavo in wat any iron mapt	Inture and partial denture impressions Impressions Intersection Impressint Inters	Impressions. Impressions and partial denture impressions Impressions FITS It elastic recovery ilic properties for excellent flow in wet environment Impressions r strength from deformation Impressions inary stability Impressions	onal impressions.
ENEFITS xcellent elastic recovery	ENEFITS cellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability	FITS t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	it impressions.
xcellent elastic recovery	cellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability	t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	re and partial denture impressions
xcellent elastic recovery	cellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability	t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	ş
xcellent elastic recovery	cellent elastic recovery drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability	t elastic recovery ilic properties for excellent flow in wet environment r strength from deformation inary stability	
udvanbilia propartias for evention they in water provent	drophilic properties for excellent flow in wet environment gh tear strength from deformation traordinary stability	ilic properties for excellent flow in wet environment r strength from deformation inary stability	
	gh tear strength from deformation	r strength from deformation	abilia prepartias far availlant flaw in wat any iranment
igh tear strength from deformation	traordinary stability	inary stability	ear strength from deformation
xtraordinary stability			
			ent detail reproduction









Sildent™ **Heavy Body**

TECHNICAL DATA

Physical & Mechanical Property	Physical & Mechanical Property Standard		
Viscosity (mm)	within	within 35mm	
Mixing Time (sec)	Cartridge Type	Auto-Mixing	
Mixing Ratio	Base : Catalyst	1:1	
Working Time (sec)	More th	More than 1min	
Color	Base : Purple	Catalyst : White	
Setting Time (min)	4min (in t	4min (in the mouth)	
Strain in Compression (%)	within	within 10 %	
Recovery from deformation (%)	Min. 99.5%		
Linear Dimensional change (%)	within 0.2 %		
Reproducibility (µm)	50µm reproduce		
Affinity with plaster (µm)	50µm reproduce		
* storage temperature 12°C to 25°C	1		

PACKAGING

- 5 cartridges(Base + Catalyst), 50ml each - 2 cartridges(Base + Catalyst), 50ml each

INDICATIONS

- Crown and bridge impressions.
- Inlay and onlay impressions
- Functional impressions
- Implant impressions
- Denture and partial denture impressions

BENEFITS

- Excellent elastic recovery
- Hydrophilic properties for excellent flow in wet environment
- High tear strength from deformation
- Long-lasting dimensional stability
- Excellent detail reproduction
- Easy to remove from mouth



Sildent™ **Putty**



TECHNICAL DATA

Physical & Mechanical Property	Standard		
Viscosity (mm)	within	35mm	
Mixing Time (sec)	Jar Type	Manual-Mixing(60sec)	
Mixing Ratio	Base : Catalyst	1:1	
Working Time (sec)	More than	More than 1min 40sec	
Color	Base : Violet	Catalyst : Whtie	
Setting Time (min)	5min (in t	5min (in the mouth)	
Strain in Compression (%)	within 2.4%		
Recovery from deformation (%)	Min. 9	Min. 99.5%	
Linear Dimensional change (%)	within	within 0.11%	
Reproducibility (µm)	75µm reproduce		

* storage temperature 12°C to 25°C

PACKAGING

- Base 300ml + Catalyst 300ml 2 jars + 2 spoons



INDICATIONS

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions
- Implant impressions
- Denture and partial denture impressions



- Short setting time in mouth
- Non-greasy, satiny smooth, extremely easy to mix
- No bubbles
- Good mechanical properties
- Excellent detail reproduction
- Hydrophilic



Sildent™ **FAST Light Body**

TECHNICAL DATA

Physical & Mechanical Property	Standard		
Viscosity (mm)	Min. 36mm		
Mixing Time (sec)	Cartridge Type	Auto-Mixing	
Mixing Ratio	Base : Catalyst	1:1	
Working Time (sec)	More tha	More than 40sec	
Color	Base : Yellowgreen	Catalyst : White	
Setting Time (min)	3min (in th	3min (in the mouth)	
Strain in Compression (%)	within	within 10 %	
Recovery from deformation (%)	Min. 99.5 %		
Linear Dimensional change (%)	Max. (Max. 0.2 %	
Reproducibility (µm)	20µm rep	20µm reproduce	
Affinity with plaster (um)	50µm reproduce		
storage temperature 12°C to 25°C	1		

* storage temperature 12°C to 25°C

PACKAGING

- 5 cartridges(Base + Catalyst), 50ml each - 2 cartridges(Base + Catalyst), 50ml each

INDICATIONS

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions
- Implant impressions
- Denture and partial denture impressions

BENEFITS

- Fast working and setting time
- Hydrophilic properties for excellent flow in wet environment
- Excellent detail reproduction
- Long-lasting dimensional stability



Sildent™ **FAST Heavy Body**



TECHNICAL DATA

Physical & Mechanical Property

Viscosity (mm)	
Mixing Time (sec)	Cartrie
Mixing Ratio	Base
Working Time (sec)	
Color	Base :
Setting Time (min)	
Strain in Compression (%)	
Recovery from deformation (%)	
Linear Dimensional change (%)	
Reproducibility (µm)	
Affinity with plaster (um)	

* storage temperature 12°C to 25°C

PACKAGING

- 5 cartridges(Base + Catalyst), 50ml each
- 2 cartridges(Base + Catalyst), 50ml each



INDICATIONS

- Crown and bridge impressions
- Inlay and onlay impressions
- Functional impressions
- Implant impressions
- Denture and partial denture impressions

BENEFITS

- Fast working and setting time
- Hydrophilic properties for excellent flow in wet environment
- Excellent elastic recovery
- Excellent detail reproduction
- Long-lasting dimensional stability
- Easy to remove from mouth





Sildent™ BITE

TECHNICAL DATA

Physical & Mechanical Property	Standard	
Mixing Time (sec)	Cartridge Type	Auto-Mixing
Mixing Ratio	Base : Catalyst	1:1
Working Time (sec)	Over 30sec	
Color	Base : Yellow	Catalyst : White
Setting Time (min)	1 min (in the mouth)	
Hardness (HD)	More than 22HD (or Min. 22HD)	
Line dimentional change (%)	Max. 0.2%	

* storage temperature 12°C to 25°C

PACKAGING

- 5 cartridges(Base + Catalyst), 50ml each - 2 cartridges(Base + Catalyst), 50ml each

INDICATIONS

- Bite Registration

BENEFITS

- Extremely fast setting time of 1:00 min
- High Hardness
- Outstanding occlusal details and accurate bite registration
- Easy to trim and grind



CERTIFICATES





* The data and information presented in this catalog may not be relied upon to represent standard values. HRS Co., Ltd, reserves the right to change such data and information, in whole or in part, in this catalog, including product performance standards and specifications without notice.

* Users are solely responsible for making preliminary tests to determine the suitability of products for their intended use. Statements concerning possible or suggested uses made herein may not be relied upon, or be construed, as a guaranty of no patent infringement.

