

Gingival retraction

ATRAUMATIC SULCULAR OPENING

Enhancing your workflows
through innovation

expasyl



SUCCESSFUL GINGIVAL RETRACTION IS **ALL YOU NEED FOR ESTHETIC RESULTS**

Adequate isolation of the gingival margin is **essential** for acquiring **excellent final impressions**¹.



Gingival retraction systems used in dentistry involve **highlighting the peripheral limits of preparations**. The aim is to create a **clear access to the emergence profile** and to keep the prepared site clean and dry.



The **quality of fit of the final prosthesis depends entirely on the quality of the preparation and the retraction** of the gingiva.



Accessibility of the juxtagingival and subgingival margins and good hemostasis are the main prerequisites for taking an accurate impression, enabling the dental technician to **provide a prosthesis that perfectly contours the natural tissues**.²

¹ R. Masek, Margin isolation for optical impressions and adhesion, *International Journal of Computerized Dentistry*. 2005; 8:000-000

² E. Sitbon, D. Dot, M. Denis, Mise en évidence des limites de préparation lors des empreintes en prothèse fixée. *Revue de synthèse*. 2010

EFFICIENT GINGIVAL RETRACTION SYSTEM: A **MUST-HAVE** FOR ACCURATE IMPRESSIONS



Sulcular opening

0.2mm is enough to record the cervical limits and emergence profile³



Dry sulcus

the presence of fluid or blood will lower the impression precision, both conventional and digital



Tissue management

any damage to epithelial attachment initiates an inflammatory response that can cause a periodontal pocket or irreversible gingival recession



CAD/CAM USERS...

You are looking for excellence: **ALL YOU NEED IS ACCURATE DIGITAL IMPRESSION**

Thanks to the optimization of the sulcus opening, a **proper restorative emergence profile design is essential** to create a life like restoration^{1,2,3}



1

FLUID CONTROL

Dries sulcus completely

> Increases scan accuracy

2

SUPERIOR TISSUE MANAGEMENT

Preserves epithelial attachment

> Safe sulcular opening

3

TIME MANAGEMENT

Predictable prosthesis placement

> Limit back and forth with prosthesis laboratory

1. Chu SJ et al. Restorative Emergence Profile for Single-Tooth Implants in Healthy Periodontal Patients: Clinical Guidelines and Decision-Making Strategies. *Int J Periodontics Restorative Dent.* 2019 Jan/Feb;40(1):19-29.

2. Bishara M et al. Implant Restorations: Establishing a Proper Emergence Profile. *Compendium.* Volume 41, Issue 8. September 2020.

3. Pizzi P. The Importance of the Emergence Profile and Tissue Cast. *Inside Dental Technology.* Volume 9, Issue 1. January 2018

ENSURE COMPLETE SUCCESS OF YOUR PROSTHETIC RESTORATIONS



Courtesy of Dr Boulic - France

expasyl

Allowing full access to
the emergence profile
to guarantee the most
natural finish



expasyl

FOR A CLEAR
EMERGENCE PROFILE,
ALL YOU NEED IS EXPASYL™

► **Facilitate access** to the preparation limits and emergence profile

A TRIPLE ACTION

1 ASTRINGENT EFFECT

helps to completely dry the sulcus with no blood or fluids.

2 OPEN THE SULCUS

effectively with no pain or damage to tissues thanks to the viscosity carefully calculated with our clinical expertise.

3 PRESERVE EPITHELIAL ATTACHMENT*

for a reduced risk of gingival recession and bone resorption.



* Cannula must not be inserted into the sulcus

FORMULATION PROVIDES

EFFICIENT
atraumatic
gingival retraction

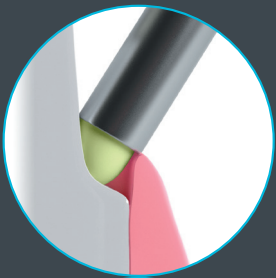
DRY SULCUS
easier image
acquisition



PREDICTABLE
& reliable
impressions

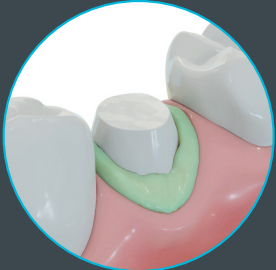
TIME SAVING
fast, simple
& easily removed

WHEN PERFORMANCE IS COMBINED WITH EASE OF USE

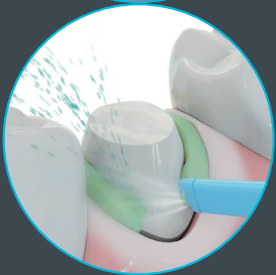


EASILY APPLIED

20 seconds



WORKS IN
1-2 minutes
max



EASILY REMOVED

with a gentle
air/water spray



- Atraumatic **gingival retraction**.
- **No need** to use additional retraction cords.
- For **digital and conventionnal impression**.



Expasy|™ paste generates the highest pressure compared to other retraction materials, once applied¹.



expasyl

ARE ALL RETRACTION TECHNIQUES THE SAME?

RETRACTION CORDS CAN CAUSE ACUTE INJURY

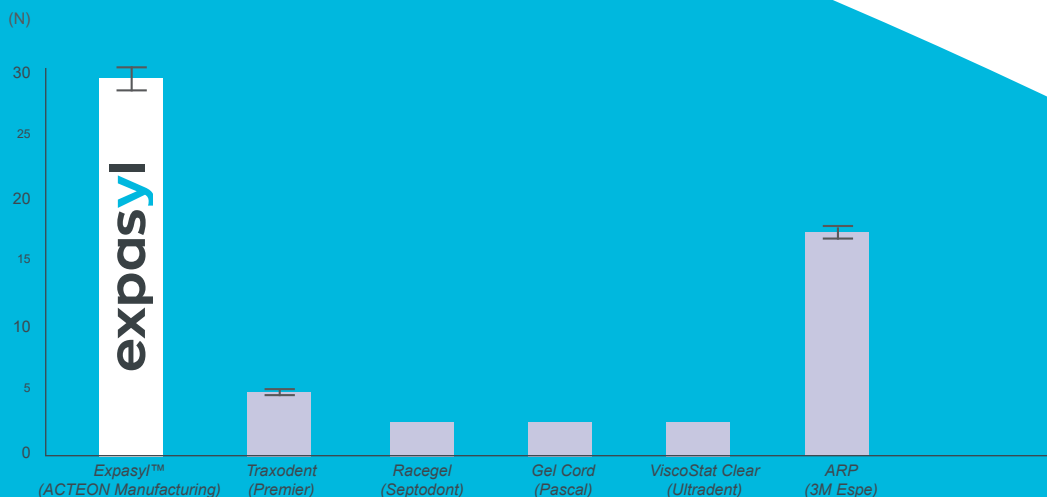
When the sulcus is damaged, it may induce delayed healing, bone loss and a periodontal pocket.

For patients with implants, there is a risk of peri-implantitis which can increase the risk of implant failure².

Compared to traditional cords, **Expasyl™ paste preserves gingival tissues and epithelial attachment**³.

Generates pressure
1.7 to 9.2 times greater*

WHY CHOOSE EXPASYL™ RETRACTION PASTE?



Adapted from American Association for Dental Research

*than other retraction paste available on the market⁴.

2. Azza Al-Ani et al. New Zealand dentists' use of gingival retraction techniques for fixed prosthodontics and implants. *New Zealand Dental Journal*, 2010 Sep;106(3):92-96.

3. Bennani V et al. A comparison of pressure generated by cordless gingival displacement techniques. *J Prosthet Dent*. 2012 June;107(6):388-92.

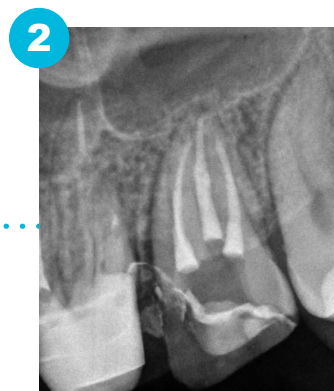
4. Klettle T, Schulte C. Force required to displace Pastes and gels for Gingival retraction, 2012 AADR Annual Meeting (Tampa, Florida); Poster Session ID 1364.

CLINICAL CASE

Dr. ALDIÉ



Root canal treatment
on 16 tooth



Root canal treatment
on 16 tooth



Teeth 16 and 17 after Expasy!™
removal



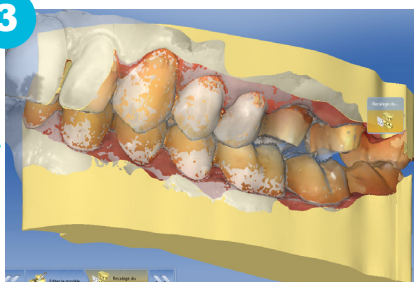
Cerec virtual model with
preparations 16 and 17. Very
readable preparation limits
thanks to Expasy!™



e-max CAD porcelain caps in place
(photo 10 days after placement).
The limits are complied with, and
the gum tissue is intact

expasyI

3



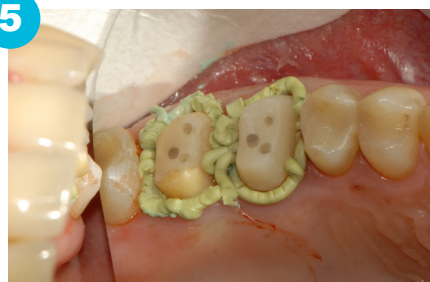
Cerec® virtual model

4



Teeth 16 and 17 before ExpasyI™ and digital impression

5



ExpasyI™ in place



Watch this real time video showing how **simple, easy and fast** the application of ExpasyI™ is.

EXPASYL™ PASTE USED BY EXPERTS



97%

of Expasyl™ paste users **would recommend** this product to a colleague*

93%

of Expasyl™ paste users say that **the sulcular opening obtained** with the product **is ideal for impression taking***

94%

of Expasyl™ paste users find that the **application is very easy***

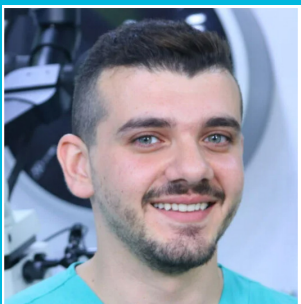
*Internal survey conducted in 2023 among 270 French dentists



I do most of the cases just with Expasyl™, I tested all other materials tools but the best one is Expasyl™. It makes retraction much more easy, faster and predictable than working with cords.

Dr. Ingo Baresel, Germany

”



The best, simplest, easiest and fastest way to create restoration with the best marginal integrity is by using Expasyl™

Dr. Abu Arqub, Jordan

DISCOVER OUR EXPASYL™ RANGE



References	Products
EXPASYL™ - KIT & APPLICATOR (1g CAPSULES)	
Ref. 294 100	Minikit: 1 Applicator + 6 Capsules + 12 Straight Cannulas (bendable)
Ref. 260 900	Applicator x1
EXPASYL™ - CAPSULES & CANNULAS (1g CAPSULES)	
Ref. 261 030	Capsules x20
Ref. 294 010	Capsules x6
Ref. 261 001	Strawberry Capsules x20
Ref. 261 005	Straight Cannulas (bendable) x100
Ref. 261 040	Straight Cannulas (bendable) x40
Ref. 261 015	Pre-bent Cannulas x100
Ref. 261 045	Pre-bent Cannulas x40
EXPASYL™ EXACT (0.3g CAPSULES)	
Ref. 261 011	ExpasyI™ Exact x50
Ref. 261 010	ExpasyI™ Exact x 20
Ref. 260 920	Applicator





Part of our Digital Prosthetic Workflow

Performance by innovation, at every step



Diagnosis

I need to have access to the high quality images to ensure a reliable diagnosis.



**x-mind
prime 2**



X-MIND® prime makes your diagnosis as easy as possible. High definition imaging combined with exceptional ease of use and ergonomics make it a powerful asset to any dental practice.



Preparation & Treatment

I need to make my preparation and treatment as efficient and minimally invasive as possible for my patients.



**expasyl
exact**

Achieve pain free preparation and facilitate access to the preparation limits to guarantee the most natural looking and performing prosthesis.



Follow-up

I need to highlight the results of my dental care.



C50

The C50 with AIS give patients a clear view of their condition, enabling them to understand the diagnosis and treatment proposals of their dental professional.



Protection

I need to ensure optimal clinical protection for my patients and limit the risk of cross-contamination.



riskontrol

Riskontrol® disposable tips are your must-have solution to perform dental care in a safe and clean place. It assures protection, comfort and safety in every daily clinical procedures.



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Follow-us



Class I medical device – CE - For professional dental use only.
Read the instructions in the notice carefully before use.
Manufacturer: ACTEON Manufacturing - France.
All information that is essential to ensure correct use of these devices is included
in the summary of the product characteristics available on the laboratory's website.
Update: April 2025