

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

³ Vincent Bennani, John M. Aarts, Li Hong He. A comparison of pressure generated by cordless gingival displacement techniques. *The Journal of Prosthetic Dentistry*, 2012 June;107(6):388-392

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**

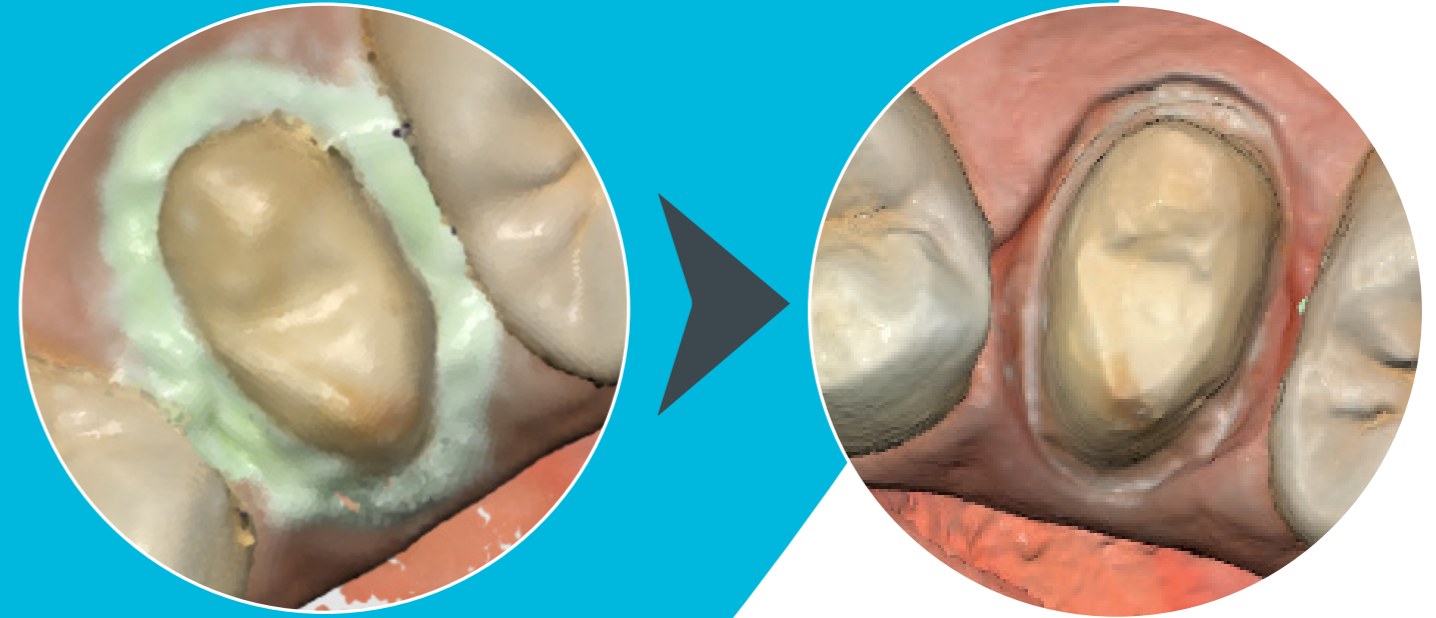
3 TIME MANAGEMENT
Predictable prosthesis placement
> **Limit back and forth with prosthesis laboratory**

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



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

expasyl

➤ **Facilitate access** to the preparation limit & 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

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}



FORMULATION PROVIDES

EFFICIENT
atraumatic
gingival retraction

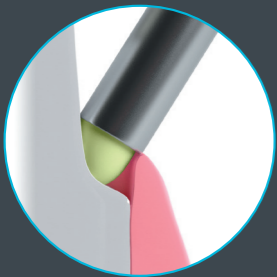
DRY SULCUS
easier image
acquisition



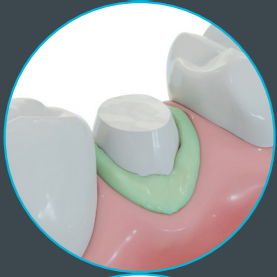
PREDICTABLE
& reliable
impressions

TIME SAVING
fast, simple
& easily removed

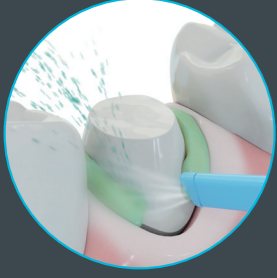
WHEN PERFORMANCE IS COMBINED WITH EASE OF USE



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**.



Expasyl™ paste generates the highest pressure compared to other retraction materials, once applied.¹

1. Dederichs M, Fahmy MD, Kuepper H, Guentsch A. Comparison of Gingival Retraction Materials Using a New Gingival Sulcus Model. *Journal of Prosthodontics*. Vol. 28, No. 7 (June 17, 2019): 784-789.



ARE ALL RETRACTION TECHNIQUES THE SAME?



RETRACTION CORDS CAN CAUSE ACUTE INJURY

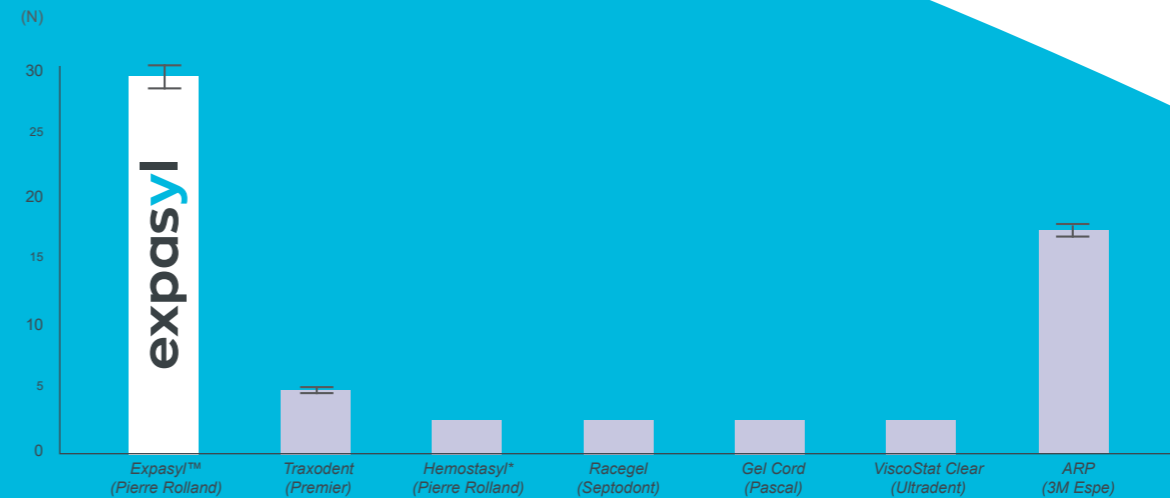
When the sulcus is damaged, it may induce delayed healing, bone loss and a periodontal pocket.

For patients with implants, there is a risk of peri-implantitis which can increase the risk of implant failure.²

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

Why choose Expasyl™ retraction paste ?

Generates pressure
1.7 to 9.2 times greater*



Adapted from American Association for Dental Research

Note: Hemostasyl is included in this study but is not a retraction compound.

*than other retraction paste available on the market.⁴

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

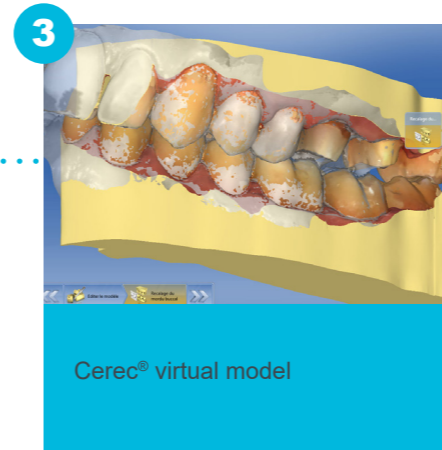
Dr. ALDIÉ



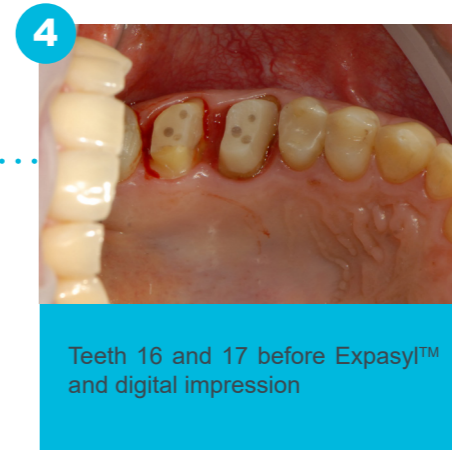
Root canal treatment on 16 tooth



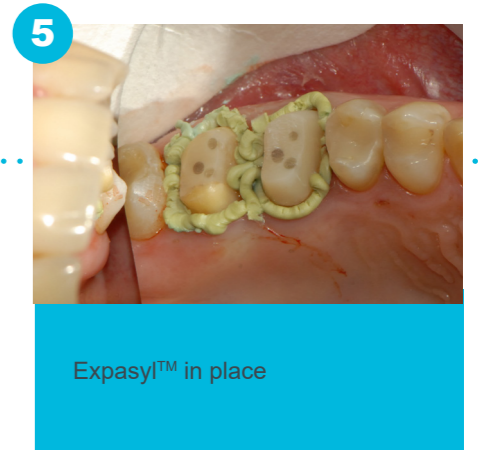
Root canal treatment on 16 tooth



Cerec® virtual model



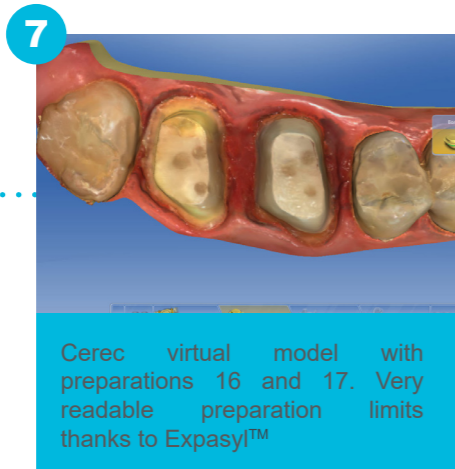
Teeth 16 and 17 before Expasy!™ and digital impression



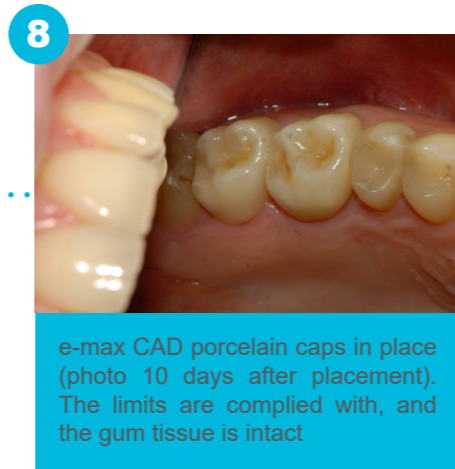
Expasy!™ in place



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



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

expasy!

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***

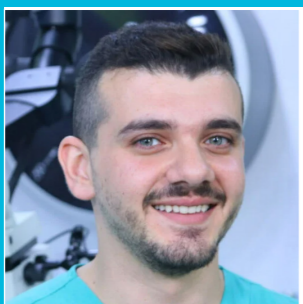
94% of Expasyl™ paste users find that the **application is very easy***

*Internal survey 2023 conducted 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 x 20
Ref. 294 010	Capsules x 6
Ref. 261 001	Strawberry Capsules x 20
Ref. 261 005	Straight Cannulas (bendable) x 100
Ref. 261 040	Straight Cannulas (bendable) x 40
Ref. 261 015	Pre-bent Cannulas x 100
Ref. 261 045	Pre-bent Cannulas x 40
EXPASYL™ EXACT (0.3g CAPSULES)	
Ref. 261 011	Expasyl™ Exact x 50
Ref. 261 010	Expasyl™ Exact x 20
Ref. 260 920	Applicator



Discover
Expasyl™ paste
clinical cases





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

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



Data Acquisition

I need to capture accurate data to obtain clinically precise prosthesis.



MEDIT

Intraoral scanner produces realistic images which are high in resolution and rich in details for easy identification of margin lines and undercuts.



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.



**PRODUITS
DENTAIRES
PIERRE ROLLAND**

A company of ACTEON® Group

**17 avenue Gustave Eiffel,
ZI du Phare,
33700 Mérignac, France**

**Tel. +33 (0) 556 340 607
Fax. +33 (0) 556 349 292**

info@acteongroup.com

Follow-us



Class I medical device – CE - For professional dental use only.
Read the instructions in the notice carefully before use. Manufacturer: Produits Dentaires
Pierre Rolland - 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: June 2023