

Gingival retraction

ENHANCE YOUR IMPRESSION ACCURACY

Enhancing your workflows
through innovation

expasyl
exact



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



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



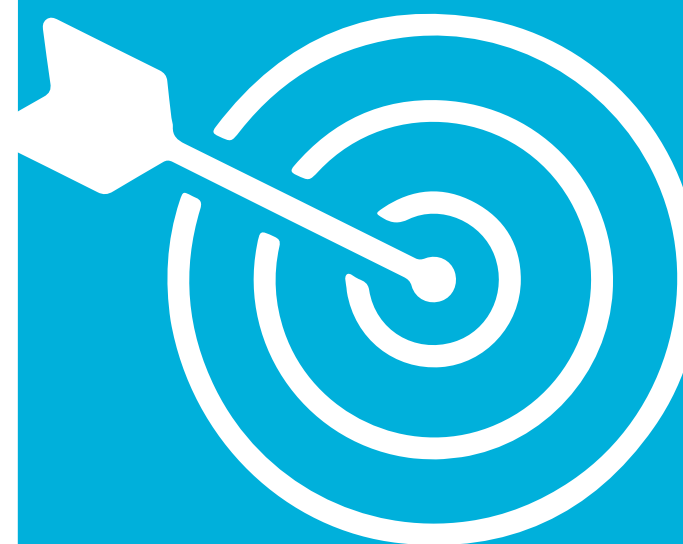
Gingival retraction systems used in dentistry involve **highlighting the peripheral limits of preparations**. The aim is to create a **clear access to the emergence profile** and to keep the prepared site clean and dry.

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

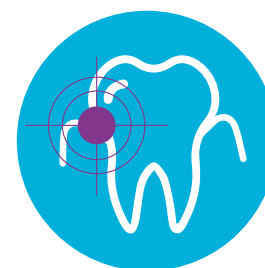


Accessibility of the juxtagingival and subgingival margins and good hemostasis are the main prerequisites for taking an accurate impression, enabling the dental technician to **provide a prosthesis that perfectly contours the natural tissues**.²

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

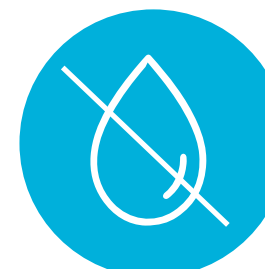


EFFICIENT GINGIVAL RETRACTION SYSTEM: A **MUST-HAVE** FOR ACCURATE IMPRESSIONS



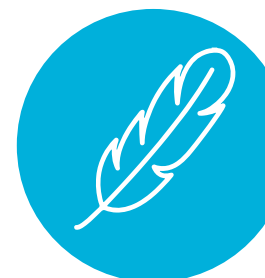
Sulcular opening

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}



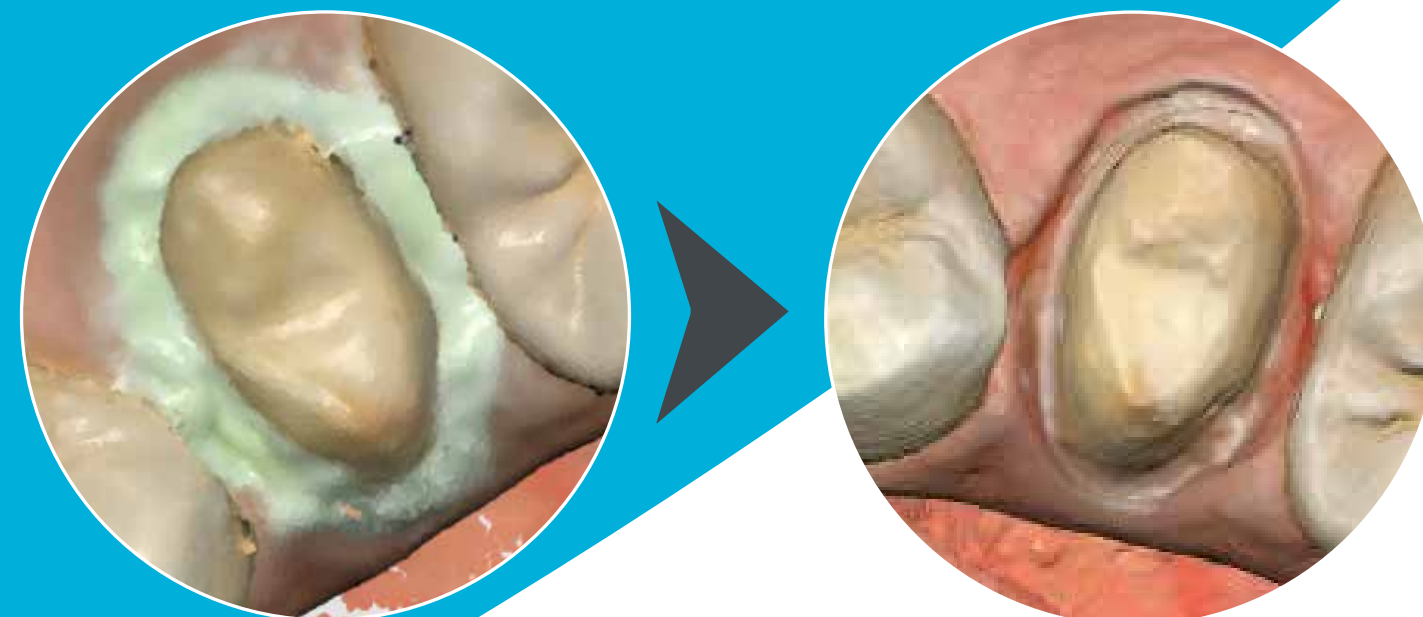
1 FLUID CONTROL
Dries sulcus completely
> **Increases scan accuracy**

**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
exact**

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



expasyl
exact

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



Facilitate access
to the preparation limits
and emergence profile

A TRIPLE ACTION



Kaolin clay

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.



Aluminum
chloride

3 PRESERVE EPITHELIAL ATTACHMENT*

for a reduced risk of
gingival recession and
bone resorption.

*Canula must not be inserted into the sulcus

FORMULATION PROVIDES

EFFICIENT
atraumatic
gingival retraction



DRY SULCUS
easier image acquisition



PREDICTABLE
& reliable
impressions



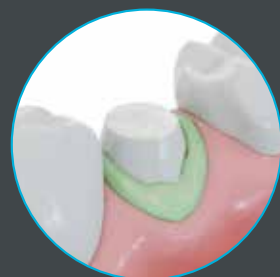
TIME SAVING
fast, simple
& easily removed



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**.
- One dose, one patient to avoid **cross contamination**.
- **No need** to use additional retraction cords.
- Works with any **composite applicator**.
- For **digital and conventional 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.

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ARE ALL RETRACTION TECHNIQUES THE SAME?

RETRACTION CORDS CAN CAUSE ACUTE INJURY

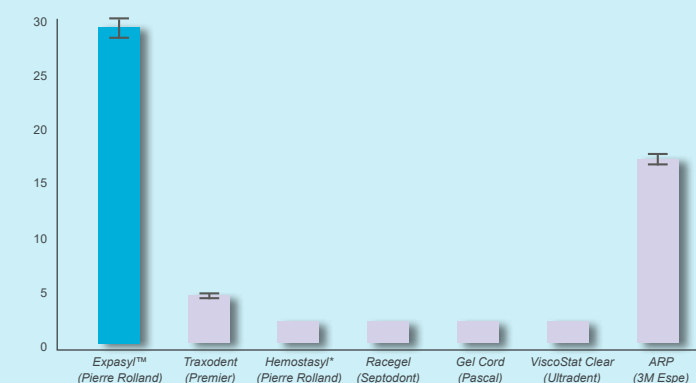
When the sulcus is damaged, it may induce delayed healing, bone loss and a periodontal pocket.

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™ EXACT RETRACTION PASTE

Generates pressure **1.7 to 9.2 times greater***



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

Adapted from American Association for Dental Research

*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. Klettke 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. ABU ARQUB



1
Crown for a patient complaining from aesthetic, food impaction and bad odor when he flosses. He wants to replace it.



2
Discolored exposed margin and plaque accumulation on the crown surface.



3
Removed crown. We can see the cement at the open margins and the inflamed gingiva due to defective margin of the crown.



4
Class 2 cavity on second molar due to food impaction caused by defective crown contact and margin.



5
Class 2 cavity on second premolar due to food impaction caused by defective crown contact and margin.



6
Restoration with resin composite restoration and new finish line preparation. We can see the bleeding from gingiva after this restorative procedure.



6a
Digital impression before applying gingival retraction paste.



6b
To record an accurate digital impression it's a must to have dry field with no bleeding and secretions and retracted gingival margins to allow the intraoral scanner to detect the margin and solve the patient's problem. To do this job we use Expasyl™ retraction paste.



7
Expasyl™ paste in action.



7a
It is very easy to remove Expasyl™ Exact after gingival retraction and hemostasis was done using riskontrol disposable tip. After this step the tooth is ready to be recorded.



8
Clean dry field with no bleeding and retracted gingival margins that are clear.



8a
Impression taken after gingival retraction.



9
Cementation of the crown. Post operative photo directly after cementation.



10
Cementation of the crown. Post operative photo directly after cementation.



Watch this real time video showing how **simple, easy and fast** the application of Expasyl™ Exact 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 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™ Exact
Dr. Abu Arqub, Jordan

DISCOVER OUR EXPASYL™ RANGE



References	Products
EXPASYL™ EXACT (0.3g CAPSULES)	
Ref. 261 011	Expasyl™ Exact x 50
Ref. 261 010	Expasyl™ Exact x 20
Ref. 260 920	Applicator
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

Not available in all countries. Please contact your dealer.



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 exact

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
and learn more
about ExpasyI™ paste**



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