







## The better restorative for patients needing eXtra care!

	Glass Ionomers	Composites	Dyract XP	Especially important for ...
Long term Fluoride release + Buffer capacity	+		+	
Longevity		+	+	
Aesthetic		++	+	
Material flexibility due to a low E-Modulus			+	
Xerostomia (Mouth dryness)		+	+	
Time-saving treatment	+		+	

## Packaging Information



**Dyract®XP Intro**  
 40 Compules® Tips à 0.25g  
 (10 x A2, 15 x A3, 10 x A3,5, 5 x B1)  
 1 x Compules® Tip Gun  
 1 x Prime&Bond®NT à 3.5 ml  
 50 x Applicator Tips  
 3 x Applicator Dishes

ReOrder 606.04.210



**Dyract®XP Refill**  
 20 Compules® Tips à 0.25 g

Shade	ReOrder
A2	606.04.275
A3	606.04.276
A3,5	606.04.277
B1	606.04.278

K7920003400

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For better dentistry

**DENTSPLY**

extra performance  
**Dyract® XP**  
 THE CARIES PREVENTING RESTORATIVE

For better dentistry

**DENTSPLY**





# Oral Health Study shows increased polarization of caries distribution "20% of all patients account for 80% of caries treatment!"<sup>1,2</sup>



Children

**Status:**

"The latest findings indicate that over 50% of 6 year olds have untreated carious deciduous teeth."<sup>3</sup>

**Clinical Challenges:**

- High parental expectations
- Risk of fractures
- Oral hygiene
- Dietary behavior
- Low compliance



Adolescents

**Status:**

The teeth in need of restoration are concentrated in 17.8% of adolescents.<sup>1</sup>

**Clinical Challenges:**

- Multiple primary lesions
- Secondary caries
- Aesthetic expectations
- Oral hygiene
- Dietary behavior



Elderly Patients

**Status:**

There is a significant increase in root caries among senior citizens. In some countries, almost every second elderly patient is affected.<sup>1</sup>

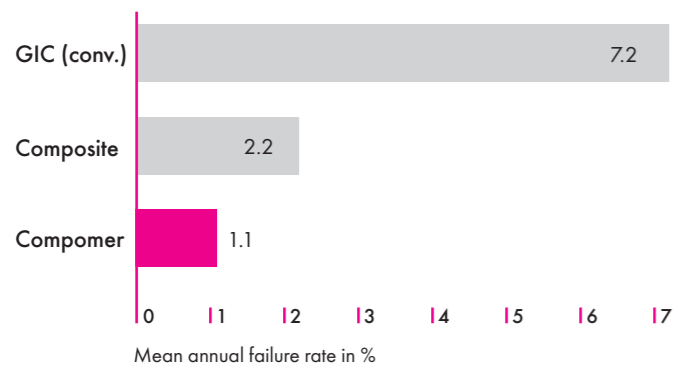
**Clinical Challenges:**

- Root & cervical caries
- Secondary caries
- "Dry Mouth" issues
- Compromised general health level
- Oral hygiene

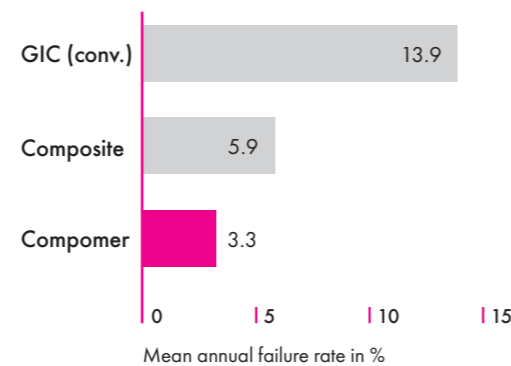


## Outstanding Longevity

**Permanent posterior teeth<sup>4</sup>**



**Primary posterior teeth<sup>5</sup>**

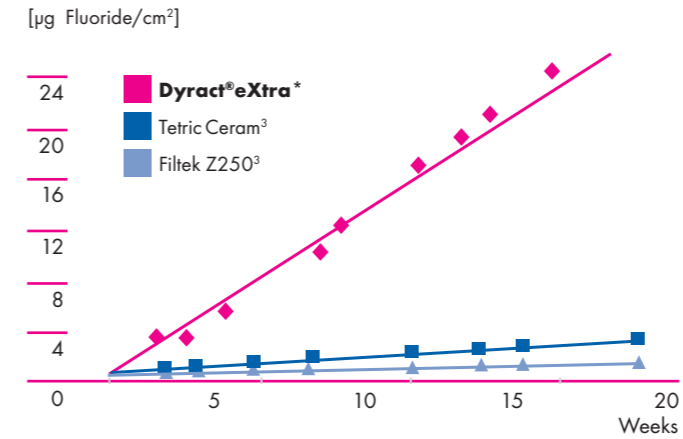


<sup>1</sup> German Oral Health Study (DMS) #4, 2006  
<sup>2</sup> Drury et al., J.Dent Res 1996  
<sup>3</sup> Prof. Dr. Krämer, University of Dresden, Dental Weekly Journal (DZW) W26, 2005, Germany.  
<sup>4</sup> Hickel R et al. (Operative Dentistry 2004, 29, 5, 481-508).

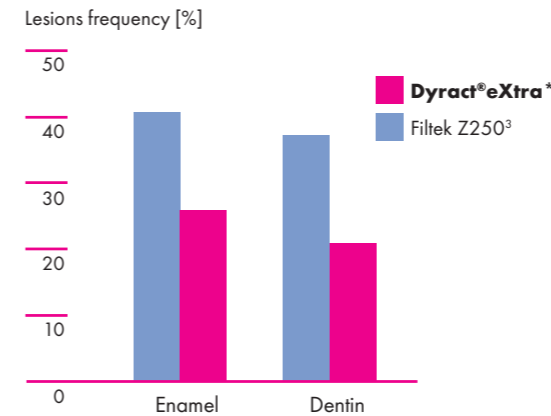
<sup>5</sup> Hickel R et al. (2005). Longevity of occlusally-stressed restorations in posterior primary teeth. Am J Dent 18:3;198-211. Literature review (1971-2003), only studies with observation period ≥ 2 years.

## Continuous fluoride release and caries preventive effect

**Continued Fluoride Release<sup>1</sup>**



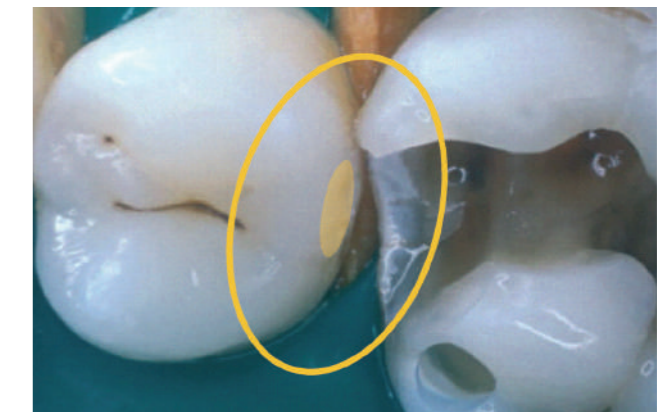
**Reduction of secondary caries<sup>2</sup>**



**Caries Preventive Effect Demonstrated<sup>4</sup>**

Dyract®eXtra\* had a significant preventive effect for approximal contact areas against caries

- As a trend, this effect was also found in adjacent teeth
- The preventive effect was highest in the high-risk group
- Fluoridated tooth paste slurry did not overrule the effect
- Composite did not show a caries preventive effect.

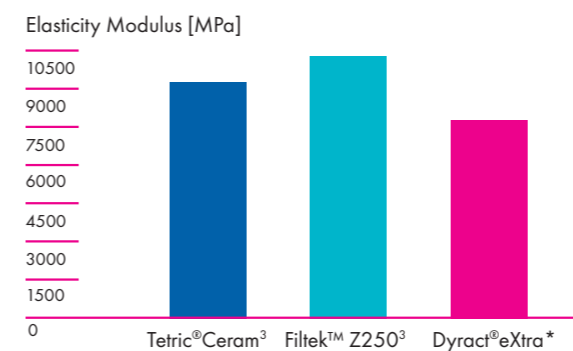


"During the study we observed significantly greater caries formation on opposing surfaces - i.e. on the simulated approximal surfaces of adjacent teeth - with the non-fluoride releasing filling materials than with Dyract® eXtra. (...) The effect we observed was especially prevalent in subjects with higher caries activity. It would be logical therefore if I as a dentist treated high risk caries patients with fillings from fluoride releasing filling materials."<sup>5</sup>

Prof. Dr. Thomas Attin, University of Zurich

## Excellent flexibility for the treatment of cervical lesions

**Appropriate flexibility due to low E-Modulus<sup>1</sup>**



"For the treatment of carious and non-carious cervical lesions, compomers revealed the best clinical results."<sup>6</sup>

Prof. Dr. R. Hickel/PD Dr. M. Folwaczny  
University of Munich

<sup>1</sup> Data on file.  
<sup>2</sup> Hicks J et al., Compomer Materials and secondary caries formations, Am J Dent, 2000.  
<sup>3</sup> Tetric Ceram and Filtek Z250 are not registered trademarks of DENTSPLY International, Inc.  
<sup>4</sup> Lennon AM, Wiegand A, Buchalla W, Attin T: Eur J Oral Sci 2007; 115; 497-501.

<sup>5</sup> DZW (dental weekly journal, Germany, week 36, 2007)  
<sup>6</sup> Operative Dentistry Supplement 6, 2001, 177-190  
<sup>\*</sup> Dyract XP is an additional brand of Dyract eXtra. Thus the shown Dyract eXtra studies apply to Dyract XP as well.