

The eXtra care effect.




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!"^{1,2}




Status:
"The latest findings indicate that over 50% of 6 year olds have untreated carious deciduous teeth."³

Clinical Challenges:

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



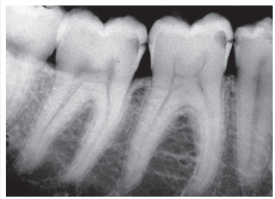
Children




Status:
The teeth in need of restoration are concentrated in 17.8% of adolescents.¹

Clinical Challenges:

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




Adolescents



Status:
There is a significant increase in root caries among senior citizens. In some countries, almost every second elderly patient is affected.¹

Clinical Challenges:

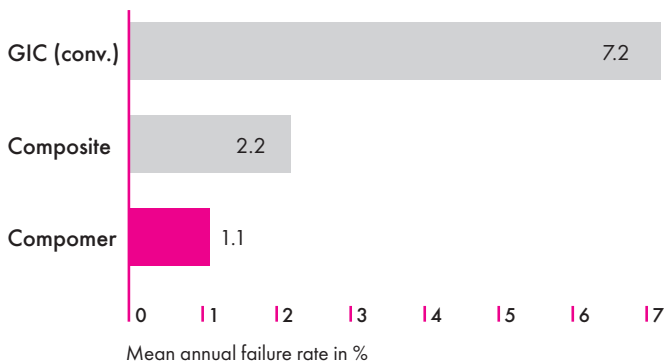
- Root & cervical caries
- Secondary caries
- "Dry Mouth" issues
- Compromised general health level
- Oral hygiene



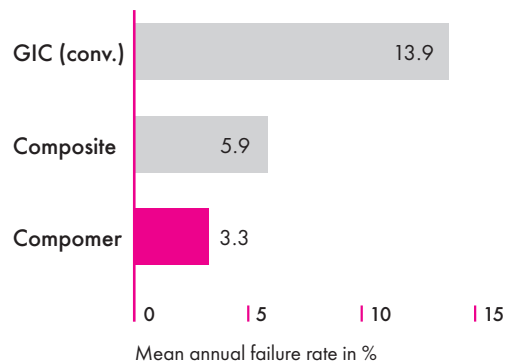
Elderly Patients

Outstanding Longevity

Permanent posterior teeth⁴



Primary posterior teeth⁵



¹ German Oral Health Study (DMS) #4, 2006

² Drury et al., J.Dent Res 1996

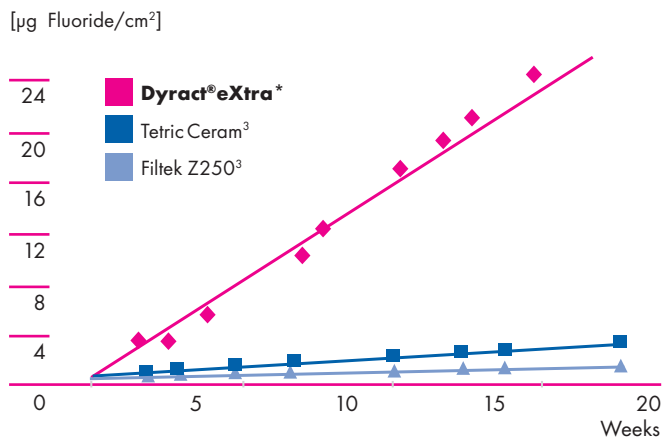
³ Prof. Dr. Krämer, University of Dresden, Dental Weekly Journal (DZW) W26, 2005, Germany.

⁴ Hickel R et al. (Operative Dentistry 2004, 29, 5, 481-508).

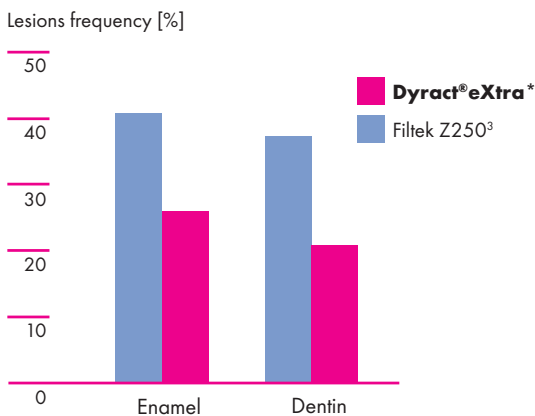
⁵ Hickel R et al. (2005). Longevity of occlusally-stressed restorations in posterior primary teeth. Am J Dent 18:3;198-211. Literature review (1971-2003), only studies with observation period ≥ 2 years.

Continuous fluoride release and caries preventive effect

Continued Fluoride Release¹



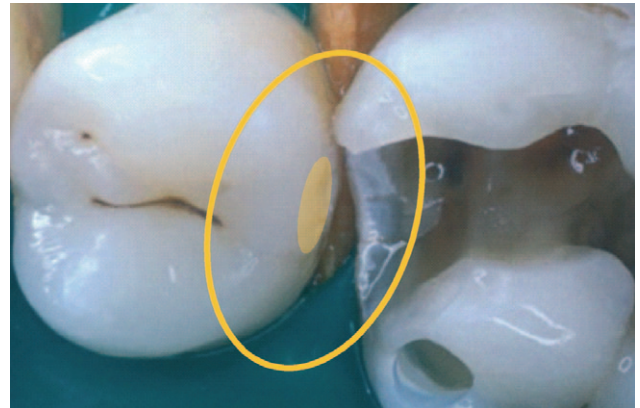
Reduction of secondary caries²



Caries Preventive Effect Demonstrated⁴

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.

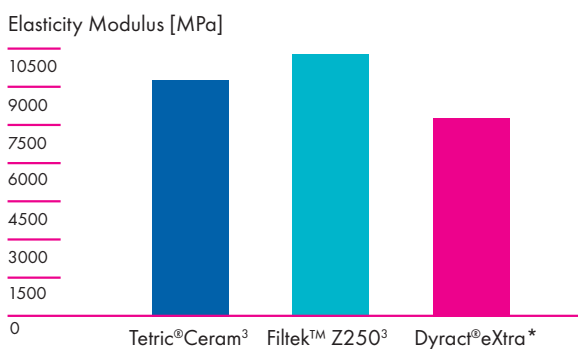


"During the study we observed significantly greater caries formation on opposing surfaces - i.e. on the simulated approximal surfaces of adjacent teeth - with the non-fluoride releasing filling materials than with Dyract® eXtra. (...) The effect we observed was especially prevalent in subjects with higher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

Prof. Dr. Thomas Attin, University of Zurich

Excellent flexibility for the treatment of cervical lesions

Appropriate flexibility due to low E-Modulus¹



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

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

¹ Data on file.

² Hicks J et. al., Compomer Materials and secondary caries formations, Am J Dent, 2000.

³ Tetric Ceram and Filtek Z250 are not registered trademarks of DENTSPLY International, Inc.








⁴ Lennon AM, Wiegand A, Buchalla W, Attin T: Eur J Oral Sci 2007; 115; 497-501.

⁵ DZW (dental weekly journal, Germany, week 36, 2007)

⁶ Operative Dentistry Supplement 6, 2001, 177-190

* Dyract XP is an additional brand of Dyract eXtra. Thus the shown Dyract eXtra studies apply to Dyract XP as well.

The better restorative for patients needing eXtra care!

	Glass Ionomers	Composites	Dyract XP	Epecially 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

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