



Denture Base Materials

We put the  in expert



Contents:

- ✔ Xthetic® prime..... 4 - 5
- ❄ Cold Curing Resins..... 6 - 9
- 🔥 Heat Curing Resins..... 10 - 11
- 🔍 Technical Specifications..... 12
- ➕ Auxiliaries and Accessories..... 13 - 14

Xthetic[®] prime

Denture Base Resin, Autopolymer 




It's prime time...

Castable high-tech PMMA acrylic for the most **accurate** fabrication of removable or fixed dentures by either completing framework dentures as well as using the cuvette casting technique. This high-quality denture resin for total and partial dentures can be processed with significantly **reduced monomer content** and is therefore characterized by a **high fitting accuracy** due to a **minimal shrinkage**, an **extremely homogeneous surface** and a **very low amount of residual monomer**.

Just like our other acrylic resins, **Xthetic[®] prime** has been tested and certified by independent institutions for **biocompatibility**. Our materials are generally **cadmium free** and absolutely **color stable**.



Xthetic[®] prime

Denture Base Resin, Autopolymer 

Indications:

- Completion of framework dentures
- Casting of full dentures
- partial or total relining (indirect method)
- Additions and repairs

Product features:

- very good flow ability, despite reduced monomer content
- thereby ideal mucous membrane compatibility due to low amount of residual monomer
- minimum shrinkage
- homogenous surface, high plaque resistance
- easy burring and polishing
- also perfectly suitable for implant works



INFO ALSO AVAILABLE AS "EXTRA" VERSION WITH EXTENDED PLASTIC PHASE!

Shades:

The Polymer is available in:

- 00** - colorless/clear
- 01** - pink
- 02** - pink V (veined)
- 03** - pink TL (translucent)
- 04** - pink TLV (translucent veined)
- 05** - pink opaque
- 33** - pink C33
- 34** - pink C34

Powder		
Unit	prime	prime extra
100g	1-341-010	1-351-010
1.000g	1-341-100	1-351-100
5.000g	1-341-150	1-351-150
10.000g	1-341-200	1-351-200
Liquid		
80ml	1-342-008	
500ml	1-342-050	
5000ml	1-342-150	

Xthetic[®] cold

Denture Base Resin, Autopolymer 



Indications:

- Completion of framework dentures
- Casting of full dentures
- partial or total relining (indirect method)
- Additions and repairs

Product features:

- easy processing
- very good flow ability
- very good mucous membrane compatibility



Shades:

The polymer is available in:

- 00** - colorless/clear
- 01** - pink
- 02** - pink V (veined)
- 03** - pink TL (translucent)
- 04** - pink TLV (translucent veined)
- 05** - pink opaque
- 34** - pink C34

Powder	
100g	1-301-010
1.000g	1-301-100
5.000g	1-301-150
Liquid	
80ml	1-302-008
500ml	1-302-050
5000ml	1-302-150

Xthetic[®] cold extra



Denture Base Resin, Autopolymer 

With extra-long processing time

Indications:

- Completion of framework dentures
- Casting of full dentures
- partial or total relining (indirect method)

Product features:

- easy processing
- **very long** processing time
- very good flow ability
- very good mucous membrane compatibility



Shades:

The polymer is available in:

- 00** - colorless/clear
- 01** - pink
- 02** - pink V (veined)
- 03** - pink TL (translucent)
- 04** - pink TLV (translucent veined)
- 05** - pink opaque
- 34** - pink C34

Powder	
100g	1-321-010
1.000g	1-321-100
5.000g	1-321-150
Liquid	
80ml	1-322-008
500ml	1-322-050
5000ml	1-322-150

Xthetic[®] inject

Denture Base Resin, Autopolymer 



Indications:

- Fabrication of full or partial dentures using the injection technique

Product features:

- universal, system-independent use
- comfortable plastic consistency
- high fitting accuracy



Shades:

The polymer is available in :

- 00** - colorless/clear
- 01** - pink
- 02** - pink V (veined)
- 03** - pink TL (translucent)
- 04** - pink TLV (translucent veined)
- 05** - pink opaque

Powder	
100g	1-361-010
1.000g	1-361-100
5.000g	1-361-150
Liquid	
80ml	1-362-008
500ml	1-362-050
5000ml	1-362-150

Xthetic[®] repair

Denture Repair Resin, Autopolymer



Indications:

- Repairs of total and partial dentures
- Repairs of orthodontic devices
- partial or total relining (indirect method)
- Additions

Product features:

- very good flow ability
- excellent bonding to all common PMMA acrylics
- safe and fast curing, even without pressure polymerization unit



Shades:

The polymer is available in:

- 00** - colorless/clear
- 01** - pink
- 02** - pink V (veined)
- 03** - pink TL (translucent)
- 04** - pink TLV (translucent veined)
- 05** - pink opaque
- 06** - V5

Powder	
100g	1-481-010
1.000g	1-481-100
5.000g	1-481-150
Liquid	
80ml	1-482-008
500ml	1-482-050
5000ml	1-482-150

Xthetic[®] hot

Denture Base Resin, short-term hot-curing 



Indications:

- Fabrication of full and partial dentures using the packing / pressing technique
- Fabrication of full and partial dentures using the injection technique

Product features:

- easy processing
- comfortable plastic consistency
- high fitting accuracy and high quality results guaranteed
- very good mucous membrane compatibility due to low amount of residual monomer directly after polymerization



Farben:

The polymer is available in :

- 00** - colorless/clear
- 01** - pink
- 02** - pink V (veined)
- 03** - pink TL (translucent)
- 04** - pink TLV (translucent veined)
- 05** - pink opaque
- 06** - V5
- 34** - pink C34

Powder	
100g	1-101-010
1.000g	1-101-100
5.000g	1-101-150
Liquid	
80ml	1-102-008
500ml	1-102-050
5000ml	1-102-150

Xthetic[®] high impact

Denture Base Resin, short-term hot-curing 



Indications:

- Fabrication of fracture resistant full and partial dentures using the packing / pressing technique
- Fabrication of fracture resistant full and partial dentures using the injection technique

Product features:

- excellent mechanical properties
- very high impact and fracture toughness
- high fitting accuracy and high quality results guaranteed
- very good mucous membrane compatibility due to low amount of residual monomer directly after polymerization






Shades:

The polymer is available in :

- 01** - pink
- 02** - pink V (veined)
- 06** - V5
- 34** - pink C34

Powder	
100g	1-201-010
1.000g	1-201-100
5.000g	1-201-150
Liquid	
80ml	1-202-008
500ml	1-202-050
5000ml	1-202-150

Application Overview / Technical Specifications

Category								
Xthetic®	prime	prime extra	cold	cold extra	inject	repair	hot	high impact
Indications								
Full Dentures	✗	✗	✗	✗	✗	-	✗	✗
Partial Dentures	✗	✗	✗	✗	✗	-	✗	✗
Denture Repairs	✗	✗	✗	-	✗	✗	-	-
Processing Methods								
Framework Dentures	✗	✗	✗	✗	-	✗	-	-
Cuvette Casting	✗	-	✗	✗	-	-	-	-
Injection	-	✗	-	-	✗	-	✗	✗
Packing / Pressing	-	-	-	-	-	-	✗	✗
Technical Data								
Mixing Ratio Powder / Liquid	10 : 4 - 5	10 : 5	10 : 7	10 : 7	10 : 5	10 : 6	10 : 4	10 : 5
Swelling Phase approx.	30 s	30 s	30 s	30 s	30 s	30 s	10 min	10 min
Casting Phase approx.	3 min	2.5 min	3 min	3 min	-	3 min	-	-
Plastic Phase approx.	3 min	5 min	3 min	20 min	-	-	-	-
Processing Phase (Injection Technique)	-	5 min	-	-	3 min	-	5 min	5 min
Processing Phase (Packing/Pressing Technique)	-	-	-	-	-	-	45 min	15 min
Polymerization	15 min 2 - 3 bar 45-50°C	15 min 2 - 3 bar 45-50°C	15 min 2 - 3 bar 45°C	15 min 2 - 3 bar 45°C	20 min 2 - 3 bar 45°C	10-12 min at Room Temp.	20 min boiling water	20 min boiling water

Notes: These times refer to a material and room temperature of 23 °C. Higher temperatures shorten, lower temperatures extend these times. Detailed information on the processing times is given in the product-specific instructions for use.

Auxiliaries +

Xthetic® bond - 30ml

Article No. 2-262-003

Special chemical bonding agent for improving the bond between denture material and highly cross-linked, pre-fabricated acrylic teeth



Xeparator® - 100ml - petrol

Article No. 2-202-010-20

Xeparator® - 500ml - petrol

Article No. 2-202-050-20

Xeparator® - 1000ml - petrol

Article No. 2-202-100-20

Alginate-based isolating agent for separating plaster from acrylic resin. The material can be applied very thin and thus allows an exact fit of the finished work. Despite the low layer thickness there is an optimal separation of plaster and acrylic.



DupleX® Gel - 6.000g - red

Article No. 2-103-160-11

DupleX® Gel - 6.000g - petrol

Article No. 2-103-160-20

Dental duplicating gel, hydrocolloid. Extra-hard precision duplicating material based on agar-agar. Especially designed for the casting technique and for the fabrication of investment material models.



DupleX® SIL 26 - 2x1.000g - green

Article No. 2-133-100-14

Addition cross-linking two-component silicone, which precisely reproduces master models thanks to its high dimensional stability. The material enables simple and safe working with minimal material usage. Ideal for the molding of milled surfaces in combination work and the casting technique.



Accessories +

eXact scale®

Article No. 2-609

Lightweight, portable compact scale for the workplace. With a maximum load of 200g and a measurement accuracy of 0.1g, the plastic components can be ideally weighed. Batteries are included.



Dosing and Mixing Set

Article No. 2-808

Consisting of a transparent PE tin, a 65ml silicone cup and a mixing spatula. Through the screw cap of the can, the mixed plastic dough can be protected from drying out by evaporation of the monomer.



Silicone Mixing Cup - 5ml

Article No. 2-809-005

Silicone Mixing Cup - 15ml

Article No. 2-809-015

Silicone Mixing Cup - 65ml

Article No. 2-809-065

Available in 3 sizes, individually or as a set. The 65ml cup can be additionally provided with a lid to protect the contents from dehydration.



Bottle set for acrylic components

Article No. 2-838-100

Practical storage set for polymer and monomer in the workplace. The set consists of a PE container with dispenser cap for 100g polymer and a 100ml glass bottle with dosing insert and lid for the monomer.



Shade Guide

Article No. 2-909-01

Contains acrylic samples with all available colors for individual shade selection of our denture resins.



The AcrylX[®] quality promise

Quality Made in Germany

When it comes to quality, we at AcrylX[®] make no compromises - because it's about your safety as a user and the health of your customers and patients.



DIN EN ISO 13485



93/42/EEG Anhang V

Our goal is to deliver high-quality products that meet the safety and quality requirements of each individual to the highest degree, while maintaining an optimal price / performance ratio.

Our company is certified in accordance with 13485 as well as Annex V of the Medical Device Directive 93/42/EEC and is subject to regular inspections by our Notified Body.

AcrylX® GmbH
Industriestraße 7
61191 Rosbach v.d.H
Germany

info@acrylx.com
www.acrylx.com

Tel: +49 (0)6007 / 9382 - 300
Fax: +49 (0)6007 / 9382 - 390

08-2017