

# deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

## TECHNICAL DATA SHEET

4160 990 | 4160 995 | 4160 xxx | GAMBLIN PIGMENTED WAX

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# GAMBLIN PIGMENTED WAX

## GENERAL

### For the Conservation of Paintings

Pigmented Wax/Resin (PWR) is ideal for filling losses in paintings. The material is easy to manipulate using moderately heated tools to fill losses quickly. The texture of canvas weave and paint can be impressed into the material to match the adjacent surface, or the fill can be sculpted to match adjacent brushwork. Cracks and other physical irregularities of an aged painting are easily replicated using dental tools.

Since the PWR fill is placed in the loss area only, there is no residue on the surrounding paint. This eliminates the possibility of ghosting in dark passages, which can occur using other methods. Choosing from our 12 colors to match the paint or underpainting will facilitate inpainting. The balance of wax, resin, and pigment results in a hard, somewhat brittle material, that resists deformation at room temperature. The material accepts inpainting and varnish readily.

## BENEFITS

- Easily textured and sculpted to match surrounding paint texture
- Pigmentation facilitates inpainting
- Physical properties of the fill will resemble the physical properties of an aged oil painting.
- Excellent adhesive qualities
- No ghosting residues
- Moisture Resistant
- Indefinite shelf life
- Relatively easy to reverse
- Gamblin PWR is composed of Beeswax, Microcrystalline Wax, Laropal® A-81 and lightfast pigments.

## MATERIAL

- Aldehyde resin
- Microcrystalline wax
- Beeswax
- Pigments

## SHADES

Art.-Nr.	Neutral wax - resin mixture
4160 810	Titanweiss / titanium white (Rutil)
4160 815	Beige / raw titanium
4160 437	Mittelton Grau / medium grey
4160 360	Elfenbeinschwarz / ivory black
4160 780	Gelber Ocker / yellow ochre
4160 610	Terra di Siena / raw sienna
4160 620	Umbra natur / raw umber
4160 080	Umbra gebrannt / burnt umber
4160 730	Venetianisches Rot / venetian red
4160 435	Mittelton Blau / medium blue
4160 215	Chromoxidgrün / chromium oxide green
4160 447	Farblos / neutral base

## OPERATION

1. The painting (properly supported underneath) is set face up on a table
2. A pre-made pigmented wax/resin stick is warmed\* and formed to a point with fingers. The point of the stick is set into the edge of a loss.
3. A dental tool, with a flat end, is warmed\* and used to compress and spread the pigmented wax/resin into the loss Note: the wax should have a paste-like consistency unless it is intended to fill fine cracks, in which it can be warmed until liquefied, then run into the crack with a quick movement of the dental tool.
4. Excess wax is removed from surrounding original paint by gently rubbing it off with the tip of a wooden skewer that had its point sanded to an angle. A pre-made Dow RTV 3110 silicone rubber mold, which had a canvas impression, was used to impart a texture into the pigmented wax/resin fill. It is first warmed on a hot plate, then quickly placed over the wax fill. A piece of Plexiglas was set over the mold, followed by a wooden block; even pressure is applied by holding the block down with fingers for several minutes.

### Obtainable by Deffner & Johann GmbH

Art.-Nr.

5715 000	RCM 5715 Heizspachtel-Set / RCM 5715 Heated Spatula Set
4693 170	Original "Heidemann"-Spatel, Länge 170 mm / Original "Heidemann"-Spatula, Length 170 mm

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