# Polyester Repair

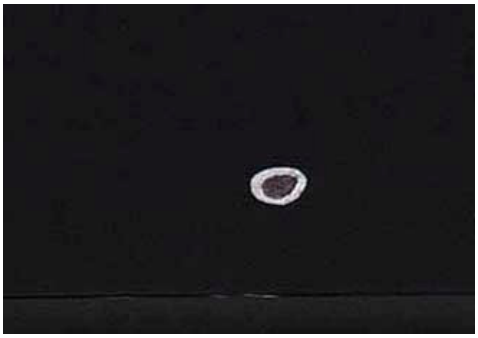


## Polyester-Doktor **(cat. page 2.47)**, basic assortment for polyester repair

Basic kit with all of the necessary lacquer, tools and polishing materials needed to sand and polish newly-filled polyester surfaces.
Metal planer, special scraper, cork and felt sanding blocks, micro-sanding paper, polishing paste, special cleaning cloths.

**27.10.00**

kit contains:
-Rex-Lith, filling material, for repair on corners and edges (art.No. 27.05.20)
-Polyester-20, liquid, fast polyester (art.No. 27.05.50)
-colour concentrate 215, for polyester, deep black (art.No. 26.55.61)
-Grinding and polishing assortment, for manual use (art.No. 27.10.10)



1. **Preparation**
   Remove all loose particles, create smooth transitions and do not damage the substrate (veneer or solid wood).
   Prior to processing, warm up the lacquer to 30°C e.g. in a water bath and dry well. Wait approx. 5 minutes until bubbles which might have developed in the lacquer have vanished.



2. **Mixing the polyester filling lacquer**
   Fill the cup with polyester filling lacquer up to the mark. Apply a portion of hardener (in the size of a pea) onto the mixing spatula and mix hardener carefully and slowly with the lacquer. Percentage specification: 2% hardener if lacquer remains undyed; 4 – 5% of hardener if lacquer will be dyed afterwards (2 portions of hardener of a pea's size).



3. **Dyeing**
   Do not add dye before hardener has been mixed with the lacquer.
   With Touch-Up Dye/Colour Concentrate:
   4 drops maximum (refers to the lacquer volume in the mixing cup in picture 2).
   With Colour Touch-Up:
   1 drop maximum (refers to the lacquer volume in the mixing cup in picture 2).



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**4. Filling and Hardening**
Dip wooden spatula into the mixed lacquer and dab drops into the damaged area. In case of seriously damaged areas just pour the lacquer directly out of the cup. Generously overfill damaged area.
The matt paraffin coat which develops must not be touched. Hardening takes at least 1 hour. In case of dyed Polyester Filling Lacquer and with very exact repairs to piano parts it is recommended to wait 12 – 24 hours.



**5. Stripping off planely**
While hardening, a paraffin coat will develop and deposit at the surface. Therefore, remove the matt paraffin film with Nitrocellulose Thinner first. Cut off larger projectings with a chisel. Afterwards plane off lacquer by moving the Metal Planer for- and backwards.



**6. Finishing**
In order to obtain an optimal result all grain sizes of the Micro Sanding Paper should be used up to grain 8000 (3200, 4000, 6000).



**7. Polishing**
Apply Polishing Paste 'fine' onto the Felt Pad and polish off fine sanding dullness. Use sufficient Polishing Paste - do not allow paste to dry during polishing process as lumps may develop and cause abrasions. Now and then wipe with a Special Cloth to check result.



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