

Klockner Pentaplast has completed stain testing of the 10% Betadine solution on their Pentadecor Basic Line 3DL material in accordance with DIN 68861 -T1.

This is the same test method that is used for all chemical reagents and the standard score is a 1B rating for most items.

All reagents are tested for 2 minute, 10 minute, 1 hour, 6 hour and 16 hour exposure levels.

The 10% Betadine solution did not leave a mark on any of the Basic Line films tested with up to 1 hour of exposure. At 6 hours plus of exposure on the light color solid Basic Line films a very faint residue was visible. This residue could not be removed.

The printed basic line item tested passed all levels of exposure with no visible residue.

On all reagents, Klockner Pentaplast strives for no visible mark at 6 hours of exposure in order to qualify for a 1B chemical resistance rating under DIN 68861. This was not achieved on the solid color Basic Line items.

With strong staining agents like mustard and red wine, Klockner Pentaplast recommends that the affected area be wiped with water within 6 hours to prevent the stain forming a bond to the surface of the laminate.

The findings from Dr. Herberg in Germany are below.

*Klockner Pentaplast tested the Betadine solution on several colours and embossing with the following finishes*

- *Basic Line coating*
- *Embossing smooth (A07) and coarse (B67, B58)*
- *White, creme, medium brown alder woodgrain design*

*There is no change visible after 60 minutes. After 6 hours a very faint yellowing of the white and crème finishes could be seen, but nothing visible on the print. After 16 hours a faint yellow marking on the white and crème finishes, and nothing visible on the print*

*This marking is nor removable. In regards to the Betadine Solution, as a strong colorating substance it should be treated like a red wine, mustard, or onion juice stain.*

*The DIN Standard 68861 1B requires 6 hours without change for these substances.*

*This was almost achieved.*

*Result:*

*If Betadine is used for disinfection, it is recommended to clean the surface with clear water afterwards.*