



Product Data Sheet

NPT 0992 High Density Base

NPT BC 0992

High Density Base

Product Overview:

NPT 0992 High Density Base is recommended for the production of thick-layer textile printing. When used correctly, extreme thick print layers with sharp, clear contours are formed, which are retained even after heat fixing. It is recommended to add only a minimum of color pigments in order to obtain the desired color, since the maximum opacity is essentially ensured by the high layer thickness. Up to 10% QMX standard paints can be blended for the pigmentation. If possible, the XOLB colors should be preferred.

Printing recommendation:

For the stencil, we recommend polyester fabric with 27 – 34 S; thin fabric reinforcements give a softer feel and a smaller formation of the thread impression. Good results are achieved with a fabric tension of 24 Newton. Use only sharp squeegees with 75 – 80 Shore hardness. The squeegee angle and the squeegee pressure must be chosen in such a way as to ensure a clean print, in which case it must be noted that the ink is not pressed into the textile fabric, but rather is merely applied. The squeegee speed should be set as slowly as possible for printing as well as for flooding. The jump of the template should be set as low as possible. Make sure that the stencil is lifted as slowly as possible after printing, so that the stencil can cleanly separate from the print.

For high-density printing, the exact setting parameters are decisive for good sharp-edged printing and good color resolution from the stencil. We always recommend this printing as the last one in the printing sequence for multi-colored motifs. If this is not possible, then it must be so strongly fixed by means of intermediate dryer that it is not damaged by the subsequent prints.

Layer:

In order to obtain the desired three-dimensional character, the layer thickness of the template should be approximately 200 to 700 µm. With higher layer thicknesses higher print layers are obtained analogously. The use of capillary films is particularly suitable for this purpose.

Additives:

The addition of additives, e.g. reducers are generally not recommended with this color system. Maximum addition of 1 – 2% viscosity retarder (BA0000) is recommended if a sharper contour is desired.

Drying:

Complete drying is essential for good washing resistance of the prints. For this purpose, the print should be fixed at least at 160 °C. Depending on the layer thickness, longer drying times or higher temperatures are necessary. In any case, we recommend that you carry out your own washing tests beforehand.

Cleaning:

Bomo Powerclean

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