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TDS of Xinguang silicone ink

For HD Silicone effect for migration smooth fabric

Preparation:

- 1.Mesh&Squeegee: **120(48T)** Mesh number ;**65-75** degree Squeegee.
- 2.: Pigments added ratio:**For white and fluorescent color 20%,other color 10%**
- 3.Catalyst mixing ratio:**2%** slow dry XG-866B-1 and fast dry XG-866B-2 can mix together for using.
- 4.Thinner XG-128A adding ratio:**0-20%** thinner is not necessary for hand printing
- 6.Heating Temp and time: Flash cure temp :**100℃- 120℃ for 6-10 seconds ,Drying temp :120℃- 140℃ for about 2 -5 minutes.**

Silicone ink printing tips:

1. **Round silicone XG-866A-2Y or Elastic silicone XG-866A-LK under coating for two times :**

Silicone XG-866A-2Y or XG-866A-LK 50G

Fast dry catalyst XG-866B-2 1G 2% If machine printing to use slow dry catalyst.

Thinner XG-128AH thinner is not necessary for hand printing,5-20% is enough for machine printing.

Cure by temp of 120℃ 6-10 seconds.

If fabric need better fastness to use **Elastic silicone XG-866A-LK+**,if need longer printing time then to

use **Elastic silicone XG-866A-LK+** to mix with HD silicone XG-866A together for under coating with any

ratio.(HD silicone easy operation longer time but fastness not good so to mix with **Elastic silicone**

XG-866A-LK+)

2. **Anti-migration silicone printing for 2-3 times :**

Anti-migration silicone XG-866F-1 50G

Anti-migration silicone agent XG-866FB-1 1G

Fast dry catalyst XG-866B-2 1 G 2% If machine printing to use slow dry catalyst.

Thinner XG-128AH thinner is not necessary for hand printing,5-10% is enough for machine printing.

Cure by temp of 120°C 6-10 seconds.Can not heat to be totally dry ,or will easy lead to be delamination.

To mix with 10-30% Elastic silicone XG-866A-LK together for printing can increase the ink toughness.

3. High density silicone printing for 2-5 times :

HD silicone XG-866A 60G

Fast dry catalyst XG-866B-2 1.2G 2% If machine printing to use slow dry catalyst.

Thinner XG-128AH thinner is not necessary for hand printing,5-10% is enough for machine printing.

Cure by temp of 120°C 6-10 seconds.

4. Color effect silicone printing for 3-4 times :

HD silicone XG-866A 50G

White color pigment XG-102 10G For white and fluorescent color 20%,other color 10%

Fast dry catalyst XG-866B-2 1G 2% If machine printing to use slow dry catalyst.

Thinner XG-128AH thinner is not necessary for hand printing,5-10% is enough for machine printing.

Cure by temp of 120°C 6-10 seconds.

6.Glossy silicone ink or matte silicone ink for top coating if needed.

A, Glossy top coating for 1-2 times:

Glossy silicone ink XG-399-3 50G

Fast dry catalyst XG-866B-2 1G 2% It will be better to use slow dry catalyst XG-866B-1 and fast dry half and half. If for machine printing to use slow dry catalyst.

Thinner XG-128AH thinner is not necessary for hand printing,5-10% is enough for machine printing.

Cure by temp of 100-110°C 10-25 seconds Have to get silicone bubbles out first ,try to use code wind to support and it will be better to use low temp by longer heating time.

B, Matte top coating for 1 time:

Matte silicone XG-866M 50G

Fast dry catalyst XG-866B-2 1G 2% If machine printing to use slow dry catalyst.

Thinner XG-128AH thinner is not necessary for hand printing, 5-10% is enough for machine printing.

Cure by temp of 120°C 6-10 seconds.

After printing finish, to heat by 120°C for about 2 -5 minutes.