

SILFREE
.VS.
SILICONE

Ultraschem

silfree .v. silicone



TECHNICAL INFORMATION

SILFREE 60 AND SILFREE 35

- **Silfree 60 AND 35** are used as a replacement of traditional Silicone Products and are compatible with Silicone Products.
- **Silfree 60 AND 35** contain Polymer for an improved Scratch Guard.
- **Silfree 60 AND 35** are both mixed with water up to 1:10 depending on requirement. If they are used at a higher concentration than recommended, some build-up will occur on the rollers, but this is easily eliminated by washing off with a damp sponge.
- **Silfree 60 AND 35** can be delivered in 25kg, 200kg barrels and 1000kg containers.
- **Silfree 60 AND 35** eliminates "Silicone Fly" and Streaking.



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SILICONE PRODUCTS

- Silicone products have been used; virtually unchanged; for many years, in the Heat Set printing process.
- It is only in recent years that additives such as scratch guards and anti-static agents have been mixed with the Silicone Emulsions resulting in the improved products available to the market today.
- Subsequent "improvements" of increased scratch protection has had an adverse effect on the Silicone emulsions by causing unwanted side effects such as streaking and build-up on rollers.
- These side effects along with the increases in price of the raw materials; Silicone Oils are subject to increases due to the universal oil price increases we are experiencing today; are creating a less effective, but more expensive product.



SILICONE REPLACEMENT

- Just adding newer and more additives may have created a better Silicone product but it would not have eradicated the rising cost of the base material.
- **Silfree** is a completely new and an alternative product to existing Silicone products.
- **Silfree** tends to run at a lower concentration compared to the traditional Silicone products, but even at its highest concentration, **Silfree** shows no sign of roller deposit or streaking.
- **Silfree** is available in two concentrate levels, **Silfree 60** and **Silfree 35**, both of which are available in 25kg, 200kg barrels and 1000kg containers.



FREQUENTLY ASKED QUESTIONS

- **WHY WAS SILFREE INVENTED?**

Silicone is based on natural raw materials. These are in short supply and high in demand resulting in ever increasing prices.

- **WHAT IS THE AIM OF SILFREE?**

A Silicone replacement Product that has all the positive properties of traditional Silicone, without the negatives, ie build-up and streaking. Resulting in a product which is cheaper, more price stable with impeccable performance.

- **WHAT IS THE DIFFERENCE BETWEEN SILICONE AND SILFREE?**

Silfree has the same basic properties, however the paper stock take to Silfree better therefore achieves a more even distribution, eliminating streaking. Silfree also runs at a lower concentration resulting in less product being used.

- **IS THERE ANYTHING TO CONSIDER WHEN USING SILFREE?**

Silfree will cause a build-up on rollers if the concentration is well above the recommended levels, but wiping over the rollers with a damp sponge will easily rectify the problem.

- **WHAT ARE THE ADVANTAGES OF USING SILFREE?**

- **Silfree** is cheaper to run than Silicone.
- **Silfree** is applied more evenly and therefore does not streak.
- **Silfree** has excellent scratch guard properties.
- **Silfree** has better slip than traditional Silicone products.
- **Silfree** has no "Silicone Fly".



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