



Application

Today's difficult applications require the latest technology with the highest quality materials. RelcaSil™ 400 is Stahl's latest premium coating that combines the true haptic of a silicone based coating with the physical properties of a urethane based coating. This product addresses today's challenges regarding the strict automotive performance requirements but yet has a strong hold in the world of feel and appearance. In-house development has allowed formulators to utilize the latest advancements in resin technology to develop such a coating with unrivaled haptic, low gloss and no compromise. The RelcaSil™ 400 can be applied to rigid or flexible elastomeric substrates such as EPDM, TPOs, TPEs, and TPVs.

Properties and Performance

Brookfield Viscosity (25°C):	0.0 mPa.s
Dry Solids content:	30.0 %
pH value:	6.00
Gloss, 60 degree:	60.0
Dry film thickness:	12.0 micron
Flash Point:	5.0 °C
Shelf life (days):	2
MAAG Abrasion, number of Cycles:	8
Squeack and itch:	-
Weather Resistance:	Level 4
C.O.F.:	4
Specific Gravity:	50.00 kg/m ³

How to use

Surface Preparation – Remove all oils, release agents, dust and other contaminations. Typically, if the surface needs to be cleaned, isopropanol will be sufficient. Wipe the surface immediately before use and allow the surface to dry. A pretreatment is suggested.

Mixing – The containers should be mixed for 20 minutes prior to use. The mixing speed should not cause foaming but be high enough to cause a vortex in the center of the container. The RelcaSil™ 400 will need to be mixed with a crosslinker for its final properties. We suggest RelcaLink™10 at a level of 5%. The crosslinker should be added slowly to the coating under agitation and the coating should continue to be agitated throughout its entire use.

Toxicity and safety information

Read the Material Safety Data Sheet, for the safe handling and storage of the product.

Material should be stored in a cool, dry, well ventilated area away from heat, ignition sources and direct sunlight. Keep containers tightly closed. Containers should be supported and grounded before opening, dispensing, mixing, pouring and emptying.

Read the Material Safety Data Sheet before using this material – Toxicity and Safety information are listed on the MSDS

Properties

- High compatibility with other binders mainly acrylics and polyurethanes
- Clear, glossy, very hard but flexible films
- Crosslinkable at room temperature with carbodiimides or aziridines to improve resistances and adhesion on leather
- Crosslinkable with polycarbodiimides, aziridines or isocyanates
- Enhances adhesion on specific substrates
- 1K and 2K furniture coatings
- General wood coatings
- Good barrier to PVC plasticizer migration
- Good water and humidity resistance
- Good light fastness

For more information click [here](#) for contact details

The information provided herein is to our best knowledge. However, we cannot accept liability for any recommendation or representation made or any damage resulting from the use of this information, since the conditions and methods of application are beyond our control. For product specifications we refer to the Certificate of Analysis. For health and safety requirements, we refer to MSDS. No usage recommendation is intended to grant licence under any of our IP-rights.



Elastomer Coatings Technical Data Sheet

MarkoTest_23012018

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