

Yakthn® Flex

Product description

1 K Silicone elastic anti-corrosive coating.

Principal characteristics

- Outstanding anticorrosive
- Excellent adhesion
- Excellent chemical resistance, such as water, oil, chemicals
- Excellent high and low temperature resistance
- Excellent electrical insulation resistance
- Excellent weatherability
- Good compatibility with substrate
- Low viscosity to apply
- Easy to brush, roller and spray

Intended Uses

- Protective: Building steel structure, pipeline, power distribution equipment, power transmission equipment, steel structure valves, flanges and bolts in various complex environments, petrochemical construction
- Marine: marine engineering and steel structures

Product Data

Colour	Blue, Grey, White or Red
Gloss (GU 60 °)	Semi-gloss
Volume Solids	60 ±2 %
Typical Thickness	100 - 400 um
Theoretical Coverage	6.05 – 1.51 m ² /L
Flash Point	39°C
Mass density	1.4 Kg/l
VOC- China	412g/l
Mix Ratio	Single pack
Heat Resistance	Dry, atmosphere, -50 ~ 250°C (Continuous)
Method of Application	Spray, brush, roller
Pack Size	5L or 20L
Shelf life	12 months when stored cool and dry

The provided data is typical for factory produced products, subject to slight variation depending on colour.

When applicable, products primarily meant for use as primers may have slight colour variations from batch to batch. Such products and epoxy based products used as a finish coat may chalk when exposed to sunlight and weathering. Colour and gloss retention on topcoats/finish coats may vary depending on type of colour, exposure environment such as temperature, UV intensity etc., application quality and generic type of paint.

Surface Preparation

Substrate	Minimum	Recommended
Carbon steel	St 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1)
Aluminum	The surface shall be hand or machine abraded with non-metallic abrasives or bonded fiber machine or hand abrasive pads to impart a scratch pattern to the surface.	Abrasive blast cleaning to achieve a surface profile using non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.
Galvanized steel	The surface shall be clean, dry and appear with a rough and dull profile.	Sweep blast-cleaning using nonmetallic abrasive leaving a clean, rough and even pattern.
Stainless steel	The surface shall be hand or machine abraded with non-metallic abrasives or bonded fiber machine or hand abrasive pads to impart a scratch pattern to the surface.	Abrasive blast cleaning to achieve a surface profile using non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.
Shop primed steel	Dry, clean and intact shop primer.	Sweep blasted or alternatively blasted to Sa 2 (ISO 8501-1) of at least 70 % of the surface.
Coated surfaces	Clean, dry and undamaged compatible coating	P Sa 2½ (ISO 8501-2)
Concrete	Minimum 4 weeks curing. Moisture content maximum 5 %. Mechanically prepare the existing concrete surface by scabbling, needle gun, mechanical disc grinding.	Minimum 4 weeks curing. Moisture content maximum 5 %. Prepare the surface by means of enclosed blast shot or diamond grinding and other appropriate means to abrade the surrounding concrete and to remove laitance.

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination. Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

Application

- Mix Ratio: single
- Thinner: White mineral spirit
- Airless Spray: Nozzle tip (inch/1000): 59-98, Nozzle pressure: 0.4Mpa-0.8Mpa
- Drying time

Temperature	Touch Drying	Hard Drying	Dry to over coat Min.	Dry to over coat Max.
40°C	0.4 h	2 h	2 h	Unlimited
25°C	0.6 h	4 h	4 h	Unlimited
10°C	2 h	10 h	10 h	Unlimited
5°C	6 h	24 h	24 h	Unlimited

- Induction time: N/A
- Pot life: N/A

System Compatibility

- Previous coat: conventional coating and itself
- Subsequent coat: itself

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Yakthn representative for approval before commencing the work.

Disclaimer

The information provided in this manual is not exhaustive and is based solely on the knowledge we have gained in our laboratories and practice. Anyone who, for any purpose, uses any product other than those specifically recommended in this Manual without first confirming it in writing to us, at their own risk, the suitability of the product for its intended purpose. While all suggestions or statements made about the product (whether provided in this specification or otherwise) are correct in our best knowledge, we have no control over the quality or condition of the substrate or the factors that affect the use and application of the product. Therefore, unless we specifically agree in writing to this practice, we are not responsible for any product performance issues arising or for any loss or damage caused using the product (to the maximum extent permitted by law). We hereby undertake no warranty, express or implied, by legal operation or other means, including, but not limited to, implied marketable security or security of applicability for a particular purpose. All products supplied and technical guidance provided are governed by our standard terms and conditions of sale. You should obtain a copy of this document upon request and read it carefully. The information contained in this product specification will be modified at any time in accordance with experience and our policies, and we reserve no further notice to modify the instructions book right. It is the customer's responsibility to check with your local representative that the latest version of the product description is in your possession before using the product. This product specification is available at www.Yakthn.com. If the online version does not match this one, please take the online version.
