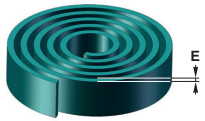
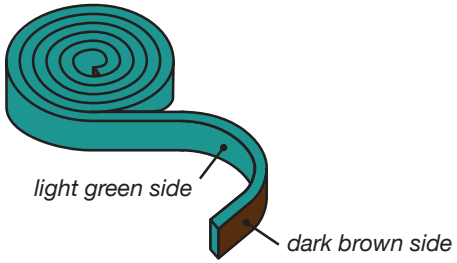
Turcite® B Slydway® filled PTFE rolls



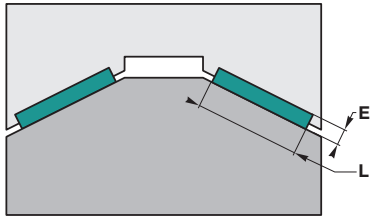
17GL...-TB

The product Slydway® 17GL...TB is used for the slides of machines. The Slydway® is bonded on the moving part of the linear guide and is then machined. It is also used in civil engineering: bridge supports, pads, telescopic arms...



Try to avoid adhesive on this side.

Apply adhesive to the dark brown side only.



Calculation of the permissible radial force	
F = (p x L x SL) / s	
F	= maximum radial force (N)
p	= maximum permissible loading for material (N/mm²)
L	= width of SLYDWAY® (mm)
SL	= length
s	= safety factor

Trelleborg's proven **Turcite® B Slydway®** Bearing System has been specifically developed as an effective bearing element between sliding metal surfaces found in machine tools or other linear bearing applications.

The **Slydway®** is bonded on the moving part of the linear guide. The low friction technology of **Turcite® B** offers reduced stick-slip in machine transitions while maintaining positioning accuracy and vibration damping.

This PTFE based bearing material is also resistant to virtually all media including cutting fluids and slide way oils. This, along with minimal abrasion, preventing damage to counter surfaces, and high wear resistance, extend product life.

Operating conditions	**see page 8**
Max. permissible radial load	at 25°C: ≤ 15 N/mm² 120°C: ≤ 8 N/mm²
Temperature	-60°C to 150°C
Speed	≤ 15 m/s
Fluids	**see pages 22-45**

Materials	**see pages 10-19**
Turcite® B	TB

Advantages

- Low coefficient of friction
- No stick slip
- High chemical compatibility
- Reduce vibrations, good damping effect
- High wear resistance
- Good mechanical properties

Please contact us for applications approaching maximum values.

Instructions for assembly

Cleaning

Surfaces to be bonded must be cleaned.
Use acetone for final cleaning. The surfaces to be bonded must not be treated after cleaning.
Oil, grease, water, perspiration and blowing off with compressed air will impair the bonding result.

Bonding

The bonding surface of the metal should have a roughness Ra value between 0.8 and 3.2 µm.
Apply adhesive to the dark brown side only.
A two-component adhesive is required for Slydway®:
reference 17XZZS000006
Mixing ratio resin/accelerator: 100/40
Time to use: 30 min. at 23°C
Hardening time: 12 h. at 20°C
Apply the adhesive **thinly and distribute it uniformly** using a spatula (200 g/m2).
Applying the adhesive uniformly will prevent air inclusions.

Machining after bonding

A roughness Ra value = 0.6 µm should be obtained.
Milling: high cutting speed (800 m/min.)
Grinding: with grindstones of average grain sizes and low hardness.

Turcite® SLYDWAY® 17GL...-TB

E	L	Reference	Length of the roll
1,5	10	**17GLB500010-TB**	18,5 meters
	15	**17GLB500015-TB**	18,5 meters
	20	**17GLB500020-TB**	18,5 meters
	25	**17GLB500025-TB**	18,5 meters
	30	**17GLB500030-TB**	18,5 meters
	35	**17GLB500035-TB**	18,5 meters
	40	**17GLB500040-TB**	18,5 meters
	45	**17GLB500045-TB**	18,5 meters
	50	**17GLB500050-TB**	18,5 meters
	60	**17GLB500060-TB**	18,5 meters
	70	**17GLB500070-TB**	18,5 meters
	100	**17GLB500100-TB**	18,5 meters
	150	**17GLB500150-TB**	18,5 meters
2,5	10	**17GLC500010-TB**	11 meters
	15	**17GLC500015-TB**	11 meters
	20	**17GLC500020-TB**	11 meters
	25	**17GLC500025-TB**	11 meters
	30	**17GLC500030-TB**	11 meters
	35	**17GLC500035-TB**	11 meters
	40	**17GLC500040-TB**	11 meters
	45	**17GLC500045-TB**	11 meters
	50	**17GLC500050-TB**	11 meters
	60	**17GLC500060-TB**	11 meters
	70	**17GLC500070-TB**	11 meters
	80	**17GLC500080-TB**	11 meters
	90	**17GLC500090-TB**	11 meters
	100	**17GLC500100-TB**	11 meters
	125	**17GLC500125-TB**	11 meters
	150	**17GLC500150-TB**	11 meters