



## ■ General

Turcite<sup>®</sup> Slydway<sup>®</sup> is a high performance thermoplastic material for use on linear bearing application as found on the guideways of machine tools and other linear bearing applications.

Guideways on machine tools ensure the exact direction of motion of components such as slides, sleeves, quills, plungers, etc. At the same time, guideways must bear the weight of the guided components and workpieces and absorb the machining forces without deformation.

This places critical demands on the machine tool guideways:

- high positional accuracy and repeatability of the working movements
- high performance over many years

- low production costs
- low friction without stick-slip as a precondition for positional accuracy at differing velocities
- low wear, even in the event of poor or failed lubrication
- backlash-free or minimum backlash for high repeatability even under load
- good damping behaviour even with interrupted cutting operations to minimize chatter.

Turcite<sup>®</sup> Slydway<sup>®</sup> has been well proven worldwide for many years in many sectors of machine tool and other heavy duty engineering industries (see Figure 1).

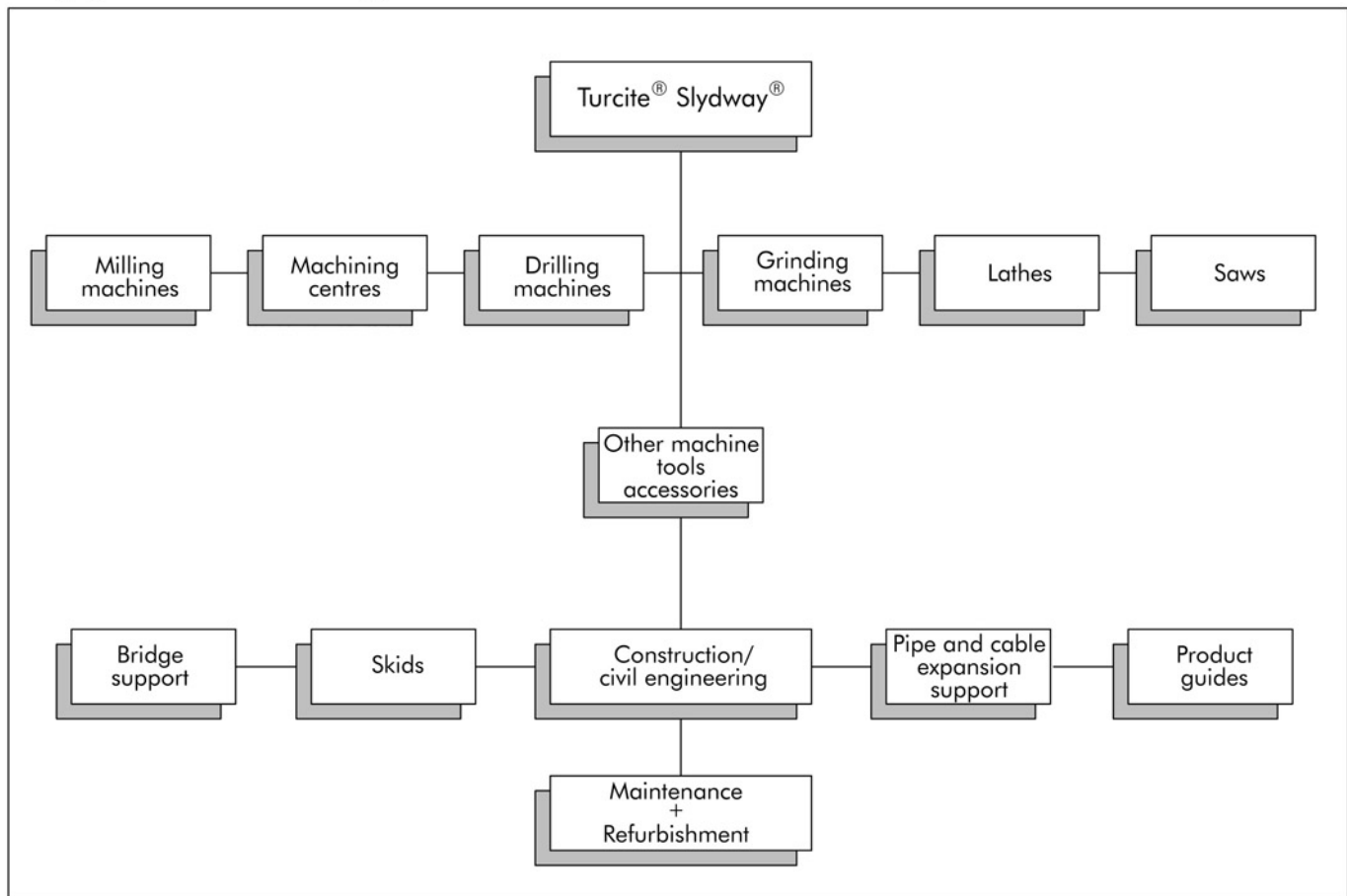


Figure 1 Fields of Application for Turcite<sup>®</sup> Slydway<sup>®</sup>



**Dimensions / Ordering**

Slydway® is available cut to length or off-the-roll.

Standard strip thicknesses are 1.5 and 2.5 mm. Other thicknesses up to 5.0 mm are available on request.

The standard widths are shown in Table III. Other widths up to 300 mm can also be supplied.

For the standard dimensions, please use the order numbers from Table III. The desired length (m) has to be stated with the order number.

Limitations:

1. Up to and inclusive 3.0 mm thickness Turcite® TB can be delivered one-side treated, up to 300 mm width.
2. Up to and inclusive 3.5 mm thickness all standard materials, except Turcite® TB, can be delivered two-side treated, up to 200 mm width.
3. Up to and inclusive 4.0 mm thickness all standard materials, except Turcite® TB, can be delivered two-side treated, up to 140 mm width.
4. Up to and inclusive 5.0 mm thickness all standard materials, except Turcite® TB, can be delivered two-side treated, up to 60 mm width.

**Table I Possible widths in relation to strip thickness**

Thickness  Up to and including	Turcite® Slydway® - max. width		
	Turcite® TB		Turcite® T51
	One-side treated	Two-side treated	Two-side treated
3.0 mm	300 mm*	200 mm	200 mm*
3.5 mm	Not available	200 mm*	200 mm*
4.0 mm	Not available	140 mm*	140 mm*
5.0 mm	Not available	60 mm*	60 mm*

\* Standard execution with "0" in the fifth character are following this limitations

**Table II Length of the roll in relation to strip thickness**

Thick-ness w	Turcite® TB Slydway®	Turcite® T51 Slydway®
	Length of the roll max.	Length of the roll max.
0.5 mm	50,0 m	70.0 m
1.0 mm	26,0 m	37.0 m
1.5 mm	18.5 m	24.0 m
2.0 mm	13.5 m	17.0 m
2.5 mm	11.0 m	13.0 m
3.0 mm	8.0 m	10.5 m
3.5 mm	7.0 m	8.5 m
4.0 mm	5.0 m	7.0 m
4.5 mm	5.0 m	5.5 m
5.0 mm	4.5 m	5.0 m

Highlighted dimensions are standard.

**Adhesive for Slydway®**

We can offer a packaged unit comprising:

50 g resin and 20 g accelerator Order No. XZZS000006.

The quantity supplied is sufficient for bonding approx. 0.25 m<sup>2</sup> of Slydway®.

**Table III Standard dimensions and order no's for Turcite® TB Slydway® and Turcite® T51 Slydway®**

Thickness 1.5 mm Length 18.5 m		Thickness 2.5 mm Length 11.0 m	
Width mm	Order No.	Width mm	Order No.
10	GLB500010-TB/T51	10	GLC500010-TB/T51
15	GLB500015-TB/T51	15	GLC500015-TB/T51
20	GLB500020-TB/T51	20	GLC500020-TB/T51
25	GLB500025-TB/T51	25	GLC500025-TB/T51
30	GLB500030-TB/T51	30	GLC500030-TB/T51
35	GLB500035-TB/T51	35	GLC500035-TB/T51
40	GLB500040-TB/T51	40	GLC500040-TB/T51
45	GLB500045-TB/T51	45	GLC500045-TB/T51
50	GLB500050-TB/T51	50	GLC500050-TB/T51
60	GLB500060-TB/T51	60	GLC500060-TB/T51
70	GLB500070-TB/T51	70	GLC500070-TB/T51
80	GLB500080-TB/T51	80	GLC500080-TB/T51
90	GLB500090-TB/T51	90	GLC500090-TB/T51
100	GLB500100-TB/T51	100	GLC500100-TB/T51
125	GLB500125-TB/T51	125	GLC500125-TB/T51
150	GLB500150-TB/T51	150	GLC500150-TB/T51

**Ordering example**

1 roll (thickness 1.5 mm, length 18.5 m, width 35 mm)

Material: Turcite® TB

Order: 1 roll GLB500035-TB

