



Willkat PL 3K



Scope of application:

Non-frothing, elasticized three-component resin with great adhesion, even on damp surfaces, for the purposes of rehabilitation and sealing of sewer tunnels and pipes relying on short liner processes in the context of sewer cleaning.

- Soaks glass fiber mats (Advantex) or polyester mats well
- Even adheres to damp surfaces
- Does not foam, even in cases of ingress of water
- Hardens well in thin layers
- Shuttering can be removed from the mold easily

Willkat PL is delivered in three components. The C-component is conducive to adjusting the setting behavior.

Mixture ratio A : B : C	100 : 200 : 0 volume parts	100 : 200 : 1 volume parts	100 : 200 : 3 volume parts	100 : 200 : 4 volume parts
Initial temperature	15/20/25/30 (°C)	5/10/15/20/25 (°C)	5/10/15/20/25 (°C)	5/10 (°C)
Pod life (spreadability)	21/18/18/16 (min)	23/17/16/15/12 (min)	16/12/11/9/7 (min)	13/7 (min)
Setting time	35/28/26/24 (min)	31/28/27/25/22 (min)	21/17/15/13/10 (min)	17/10 (min)
Deshuttering time	150/120/90/70 (min)	180/90/60/60/50 (min)	90/60/55/50/45 (min)	60/55 (min)

Data on chemical media

	Component A	Component B	Component C
Density at 25°C	approx. 1,48 g/cm ³	approx. 1,13 g/cm ³	approx. 1,11 g/cm ³
Dynamic viscosity at 25°C	approx. 300 mPa*s	approx. 170 mPa*s	approx. 34 mPa*s
Color	colorless	dark brown	light brown
pH-value	approx. 12	n.a.	>12
Flash point	-	>200°C	>80°C

Delivery Form

Component A:
28 kg (tinplate container)

Component B
21 kg (tinplate container)

Component C:
1 kg (tinplate container)



Article numbers:

Willkat 3K 71kg Container = 160425

Willkat 3K A-Component 28 kg Container = 160423

Willkat 3K B-Component 21 kg Container = 160419

Willkat 3K C-Component 1 kg Container = 160418

**Approval and reports:**

DIBt approval

Drinking water and ground water hygiene testing (Institute of Hygiene, Gelsenkirchen)

Liner material testing for partial rehabilitation purposes (Engineering office Seibert, Oststeinbek)

Article numbers:

Carbolith 2K Summer 35kg Container = **160317**

Carbolith 2K Winter 35kg Container = **160318**