

# WILLKAT® PL -C

*Catalyst*

**DIBt approval: Z-42.3-523**

## 1. Application

WILLKAT® PL -C is a catalyst for adjusting the reaction times in the WILLKAT® PL 3C and 2C systems.

## 2. Substance data\*

WILLKAT® PL - C			Norm
Density at 20°C	g/cm <sup>3</sup>	1.11 ± 0.01	DIN 51757
Viscosity at 25°C	mPa*s	34 ± 5	DIN EN ISO 3219
Colour		light brown	
pH value		> 12	
Flash point	°C	> 80	DIN EN ISO 2719

## 3. Reaction and mechanical data\*

**Mixing ratio** (A: C): B Vol. -P. = 100 : 200

**Determination of times according to DIN EN 14022**

Product temperature 5°C						
Addition C related to A [%]		4.00	3.00	1.00	0.50	0.00
Pot life	[min]	13	16	23		
Insertion time	[min]	17	21	31		
Demoulding time	[min]	60	90	180		

**Product temperature 10°C**

Addition C related to A [%]	4.00	3.00	1.00	0.50	0.00
Pot life [min]	7	12	17		
Insertion time [min]	10	17	28		
Demoulding time [min]	55	60	90		

**Product temperature 15°C**

Addition C related to A [%]	4.00	3.00	1.00	0.50	0.00
Pot life [min]		11	16	18	21
Insertion time [min]		15	27	29	35
Demoulding time [min]		55	60	90	150

**Product temperature 20°C**

Addition C related to A [%]	4.00	3.00	1.00	0.50	0.00
Pot life [min]		9	15	16	18
Insertion time [min]		13	25	27	28
Demoulding time [min]		60	60	90	120

**Product temperature 25°C**

Addition C related to A [%]	4.00	3.00	1.00	0.50	0.00
Pot life [min]		7	12	15	18
Insertion time [min]		10	22	24	26
Demoulding time [min]		45	50	60	90

<b>Product temperature 30°C</b>					
Addition C related to A [%]	4.00	3.00	1.00	0.50	0.00
Pot life [min]				12	16
Insertion time [min]				22	24
Demoulding time [min]				50	70

The addition of **WILLKAT® PL -C** refers in volume percent to Comp. A. In justified cases (see manual, section 4.2.3), it is possible to deviate from the specifications. Comp. C must be stirred homogeneously into Comp. A. All times are given in minutes from the start of mixing with Comp. B. The mixing time of 2 minutes must be strictly observed. The mixture must be streak-free and homogeneous. The times given are laboratory values with a scatter of  $\pm 15\%$ . They may change during application due to heat exchange between resin and substrate, surface condition and other factors.

## 4. Composition and properties

**WILLKAT® PL -C** is a mixture of additives which improves the miscibility of A and B component and is adjusted via the pot life of the mixture.

## 5. Preparation/Processing

### Mixture:

The system can be adjusted to the respective requirements with regard to temperature, size of the short liner and required application time by specific metering of **WILLKAT® PL -C**.

Stir **WILLKAT® PL -C** before use and add it to the A component in a suitable quantity. Stir this mixture intensively for two minutes with twice the volume of the B component.

## 6. Safety notes

**WILLKAT PL® -C** is classified as dangerous according to REGULATION (EC) No. 1272/2008. Before starting processing, it is necessary to inform yourself about precautionary measures and safety advice by means of the safety data sheets.

## 7. Storage

At least six months from date of delivery or twelve months from date of production when stored in a dry place between 10°C and 30°C. Frost can damage the A-component. The minimum durability is reflected by the batch number on the container. If this time is exceeded, we recommend the material is checked by F. Willich GmbH + Co. KG for compliance with the specification.

## 8. Delivery form

	<b>WILLKAT® PL -C</b>
1 l tin can à	1 kg

Other delivery forms on request.

## 9. Waste management

In Germany, empty packaging can be taken back by the KBS or Interseroh-System for steel or plastic packaging. The return is limited exclusively to used, completely empty packaging of the same type, shape, and size that we carry in our product range.

Transport and outer packaging are not included.

For more information on the location and further modalities of the return, please visit the website of the recycling partner acting on our behalf:



**Interseroh+ GmbH**

www.interseroh.plus  
info@interseroh.plus  
Tel.: +49 (0)2203 9147 - 1268



**Kreislaufsystem**

**Blechverpackungen Stahl GmbH**

www.kbs-recycling.de  
info@kbs-recycling.de  
Tel.: +49 (0)211 239228 - 0

Reacted product residues can be disposed of in smaller quantities with household waste, in larger quantities as construction waste or incinerated.  
Non-reacted product components must be disposed of in accordance with local regulations.

## 10. Test certificates/approvals

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**SBKS type test 14076\_118301\_0007**

**SBKS 10.000 h test 14723\_118301\_0010**

**SBKS water outlet pressure test PL\_SL\_PP pipes\_B22-69486**

## 11. Legal notice

**\*The indicated data are laboratory values.**

Our technical application advice, which we give to support the customer or applicator on the base of our experience and to the best of our knowledge according to the current state of knowledge in practice and science, is non-binding and does not represent an agreed quality. The data and processing instructions are based on laboratory tests.

In practice, the measured values may be different due to influences outside our control. We explicitly reserve the right to make technical changes during further development.

The technical documents should be read carefully before starting work.

With the publication of a new version of the technical data sheet, all previous data sheets lose their validity. The applicator must test the products for their suitability for the intended application.

**With the publication of this data sheet, previous editions become void.**

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