POLYAC® ACCELERATOR

ACCELERATOR FOR POLYAC® RESIN SYSTEMS

DESCRIPTION

POLYAC® ACCELERATOR is a liquid additive that is added to the POLYAC® reactive resin systems and accelerates the action of POLYAC® CATALYST.

BENEFITS

- Very low viscosity
- Universal accelerator for low temperature
- Optimized polymerization under difficult conditions

FIELD OF APPLICATION

POLYAC® ACCELERATOR is added to the POLYAC® reactive resin systems to be able to use them at very low temperatures from 0 °C to -20 °C.

APPLICATION

Note: The following is a typical application description. In case of other jobsite parameters, please contact our technical department.

PRELIMINARY ANALYSES

Measure the temperature of substrate, environment and materials. Determine the layer thickness that must be applied in one go. Check which aggregates will be used.

REQUIRED TOOLS

See the technical data sheets of the POLYAC® resin to be used.

PREPARATION OF THE PRODUCT

Dosing

The dosing depends on:

- Temperature of substrate, environment and materials
- Layer thickness applied in one go
- Used additives

However, for the POLYAC® MMA or PUMA-based products the substrate temperature is critical and should be used for the interpretation of the following tables.

Remark: Avoid freezing of the resin-based product parts and store them in conditions of min. + 5°C.

Mixing

POLYAC® ACCELERATOR is added as weight ratio to the resin part (part A for POLYAC® BDM-HD), in function of the used product type, according to the corresponding table.

PRIMERS	POLYAC 12, 14, 18
Temperature	Gram (g) POLYAC® Accelerator per 100 gram POLYAC® resin
0 °C	0.5
-5 °C	1.1
-10 °C	1.7
-15 °C	2.4
-20 °C	3

TOP LAYERS	POLYAC® 61, 62, TC, 64AF, 65
Temperature	Gram (g) POLYAC® Accelerator per 100 gram POLYAC® resin
0 °C	0.2
-5 °C	0.5
-10 °C	1
-15 °C	1.5
-20 °C	2

MEMBRANES BDM	POLYAC® BDM-M, HD, AL
Temperature	Gram (g) POLYAC® Accelerator per 100 gram POLYAC® resin
0 °C	0.2
-5 °C	0.5
-10 °C	1 - 1.5
-15 °C	1.5 - 2
-20 °C	2 - 2.5

WEARING LAYERS	POLYAC® 55 + POLYAC® SL2 FILLER, POLYAC® 53
Temperature	Gram (g) POLYAC® Accelerator per 100 gram POLYAC® resin with ratio 1:2
0 °C	0.1
-5 °C	0.3 - 0.4
-10 °C	0.7 - 1
-15 °C	1.0 - 1.5
-20 °C	1.5 - 2

PREPARATION OF THE EQUIPMENT

Always work with clean and dry measuring and mixing containers.

APPLICATION

Add the POLYAC® ACCELERATOR to the resin and mix mechanically. Only if the POLYAC® ACCELERATOR is homogeneously mixed under the resin may the following steps be performed.
Add the POLYAC® CATALYST and mix the powder in the liquid until it is completely dissolved. Add any additives. (See the technical data sheets of POLYAC® resins). Process the mixture immediately.

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APPLICATION CONDITIONS

POLYAC® ACCELERATOR is added to POLYAC® reactive resins for applications at very low temperatures from 0 °C to -20 °C.

COMPLIMENTARY PRODUCTS

- Cleaning solvent for tools: SOLVENT MEK
- POLYAC® products
- POLYAC® CATALYST

ADVICE

Before applying POLYAC® products at very low temperatures (under 0 °C) always contact KORACHEM NV.

TECHNICAL DATA

APPEARANCE - COMPOSITION

Low viscous, yellow-brown.

CONSUMPTION

0 to 3 grams of POLYAC® ACCELERATOR per 100 grams POLYAC® reactive resin.

TECHNICAL DATA

Odour		Slightly musty odour
Viscosity		5 mPa.s
Density		0.9 kg/dm³
Storage temperature		Max. 35 °C
Solubility	Water	Limited soluble
	Solvent	Soluble
Flash point		70 °C

CHEMICAL RESISTANCES

Polymerized POLYAC® resins have good chemical resistance to alkalis, petroleum derivatives, acid, salts and maintenance products. For more information please contact KORACHEM NV.

REFERENCE DOCUMENTS

bsi. ISO 9001:2015 Quality Management FM 78518

bsi. ISO 14001:2015 Environmental Management EMS 716699

REACH COMPLIANT · COMPLIANT

KDWU Nr DOPO2PLC00KOT01
KDWU Nr DOPO2PLC00KOT02
KDWU Nr DOPO2PLC05KOT03
KDWU Nr DOPO2PLC00KOT04
KDWU Nr DOPO2PLC00KOT05

PACKAGING

POLYAC® ACCELERATOR	1 kg	Plastic bottle
	5 kg	Plastic bottle
	25 kg	Plastic can

STORAGE AND SHELF LIFE

Store POLYAC® products in a dry, well-ventilated storage area between +5 and +35 °C.
Shelf life: 6 months after production date.
In case of doubt, please contact KORACHEM NV and state the batch number on the packaging. Do not discharge into groundwater, surface water of sewers. Dispose of contaminated packaging and residues in accordance with the applicable legal requirements.

SAFETY PRECAUTIONS

Carefully read the safety data sheets before using POLYAC® products. A characteristic odour arises during processing. Ensure adequate ventilation, keep away from sources of ignition and do not smoke. Avoid skin contact. Eye irritation and/or hypersensitivity may occur with severe vapour concentration, inhalation and/or skin contact. Do not store food (food, drinks) in the same workspace. Always wear personal safety equipment in accordance with the applicable local guidelines and legislation. Gloves and safety glasses are mandatory.

The above information is provided in good faith, but without any guarantees. The application, use and processing of the products are beyond our control and are, as such, the sole responsibility of the user/processor. In the event that Korachem NV is still held liable for damages, then the claim will still be limited to the value of the goods delivered. We always aim to deliver consistently high quality goods. All values on this technical sheet are average values that result from tests carried out under laboratory conditions (20 °C and 50% RH). Values that are measured on the construction site may show a slight deviation since the environmental conditions, the application, and the way of processing our products are beyond our control. Do not add any products other than those indicated on the technical documentation. This version replaces all previous versions. Version 2.0 Date: 22 September 2025 1:49 pm

RESIPLAST
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