

Accelerators 101 and 12

For Riverstone® binding agents

Application: Accelerators 101 and 12 are activators based on tertiary aromatic amines. They are used to increase the reactivity of Riverstone® binding agents and Riverstone® recoating resins.

Properties: After being resolved into Riverstone® binding agents and mixed with hardeners (initiators), accelerators 101 and 12 affect a significant radical formation, by what they enable or improve the polymerisation of Riverstone® binding agents at temperatures below +20 °C, while increasing the amount of hardener.

Accelerators 101 and 12 must be stored far away from hardeners. Otherwise there is a risk of explosion

Accelerator 101 (consists of dimethyl – P - toluidine)

Characteristic data:

Properties when delivered

State of delivery		Clear, yellowish liquid
Density	DIN 51 757	0.92 g/cm ³
Flash point	DIN 51 755	+ 80 °C

Accelerator 101 is toxic

Processing: Accelerator 101 is added to Riverstone® binding agents in a quantity of 0,1 – 1.0 % by weight. Accelerator 101 that is polymerised with Riverstone® substances is colored yellowish. With an addition over 0,5% the material strength increases.

Accelerators 101 and 12

For Riverstone® binding agents

Accelerator 12

(is a 10% concentration of a special tertiary aromatic amine in methyl methacrylate)

Characteristic data:

Properties when delivered

State of delivery		Clear, yellowish liquid
Density	DIN 51 757	0.93 g/cm ³
Flash point	DIN 51 755	+ 10 °C

Processing:

Accelerator 12 is added to Riverstone® binding agents in a quantity of 1-10 % by weight. As a result the Riverstone® binding agent's viscosity is reduced.