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### **Polymer for polymers – BYK-Chemie develops the first polymeric coupling agent for filled radical curing systems**

Filled, radical curing systems like polymer concrete must be able to withstand tremendous loads. Thus their mechanical properties – such as flexural strength, compressive strength, tensile strength and impact resistance – affect their quality directly.

BYK-Chemie has developed an additive that improves these key characteristics by up to 50 %. This impressive figure is achieved by means of a totally new mode of action. Normally, the filler is only mechanically embedded in between the resin. **BYK®-C 8000**, however, - as the UP resin a polymer - creates genuine chemical bonds between resin and filler. The mechanical strength achieved in this manner can even allow the thickness of components to be reduced without any loss of quality, thereby saving considerable costs. At the same time, **BYK®-C 8000** improves the processing properties of the filled resin by reducing the viscosity.

About BYK-Chemie:

BYK-Chemie is one of the world's leading suppliers of additives used in the coatings, inks, and plastics industry.

Approximately 85 % of our sales are generated by foreign countries. Our major export markets are Europe, the United States and the Far East.

Additives are used by processing industries in the production of coatings, inks, and plastics. In very small quantities, BYK-Chemie additives simplify manufacturing processes, and significantly improve the quality of finished goods, such as motor vehicles and furniture. BYK-Chemie is a member of ALTANA Chemie AG, Wesel. ALTANA Chemie develops and produces high quality, innovative products in the sector of specialty chemicals.

BYK-Chemie has been producing additives since 1962 in Wesel. Today it employs 1052 people worldwide, 25 % of whom work in research and development departments or technical laboratories.

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This press release is also available on the Internet at: [www.byk-chemie.com](http://www.byk-chemie.com).