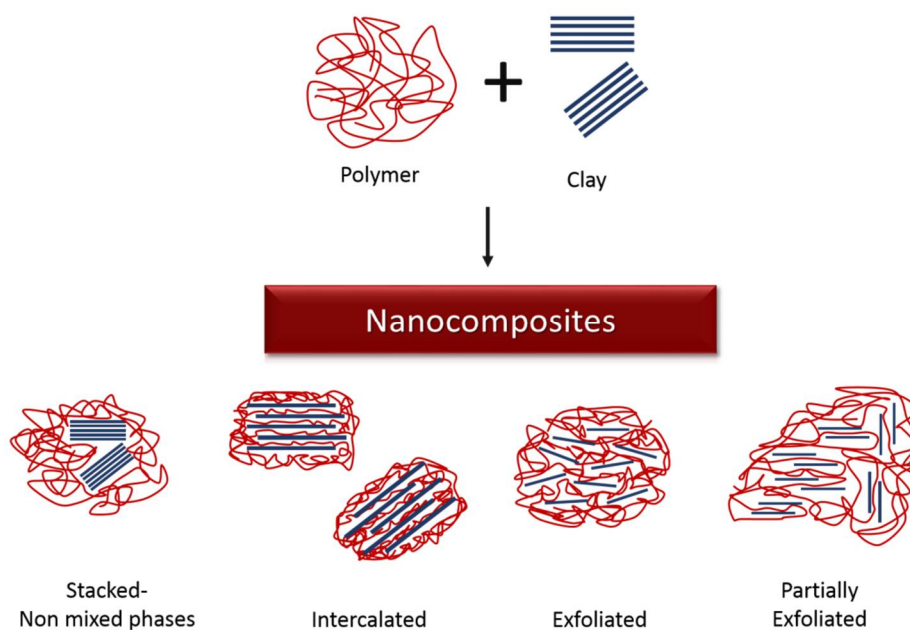


**One-shot matt exterior finishes overcome limitations of current low-gloss technologies
with the aid of nanotechnology**

Novel resin chemistry has been recently developed by [Megara Resins S.A.](#) to meet commercial quality specifications for architectural low-gloss powder coatings. The new mono- or bi-functional acrylic resins can produce powder coatings with the “one-shot” process toward products with good mechanical properties, good flow, substantially reduced gloss and excellent weathering resistance. Their combination with appropriately functionalized clay-based nanofillers developed by [NCSR Demokritos](#) has led to novel powder coating nanocomposites with significantly enhanced properties (improved durability and resistance to UV, scratch, abrasion). This work is carried out within the EC FP7 Marie Curie IAPP project [GLOW](#) (contact: Dr. Charalambos Varelas, b.varelas@megaresins.com).



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