

Joint and bondings on Ceramics using SILICOAT®

By use of SILICOAT® - combustion gas in burner systems it is possible to deposit an effective adhesion promoting Silicate layer on porcellain and ceramics. Using this technology, improved bondings and joints are applicable. The new products show advantages in the following properties:

- Increased chemical adhesion
- Different adhesive materials using same starting base
- Dry and solvent free Silicate adhesion promoting layer
- Fast, cost effective atmospheric coating procedure
- Increased adhesion leads to higher load-bearing capacity of joints and bondings
- Joints and bondings less delicate to damages, water intrusion and service
- Less subsequent costs
- Heat resistant joints are limited only by the adhesive limit, not by adhesion promoter (resistance up to 200°C in case of Silicone bondings)

Different kinds of adhesive materials can be applied on ceramics/ porcellain:

Different kinds of material combinations are applicable in connection with ceramics/ porcellain:

Ceramics	Ceramics	Ceramics	Metal	Glass	Polymer
Si Oxide	Si Oxide	Si Oxide	Si Oxide	Si Oxide	Si Oxide
Epoxy	PUR	Silicone	Epoxy, PUR or Silicoae	Epoxy, PUR or Silicoae	Epoxy, PUR or Silicoae
Si Oxide	Si Oxide	Si Oxide	Si Oxide	Si Oxide	Si Oxide
Ceramics	Ceramics	Ceramics	Ceramics	Ceramics	Ceramics

SILICOAT®



- Hand flaming device HD10
- Easy and fast cartridge exchange
- Lightweight/ easy handling

- Self igniting hand burner
- Piezo-igniting element starts flame
- Flame extinguishes by letting off the handle bar



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