

BEYOND CHEMISTRY – SIKA SEALING & BONDING SOLUTIONS FOR SUSTAINABLE CONSTRUCTIONS

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SIKA SERVICES AG/ TM SEALING & BONDING

BUILDING TRUST



ENVIRONMENTAL
FRIENDLY APPLICATION
WITH 1-COMPONENT
SEALANTS



ENVIRONMENTAL FRIENDLY APPLICATION WITH 1-COMPONENT SEALANTS

- **No Solvents**

1-component products are ready to be used without prior mixing, thus **avoiding the use of solvents** for cleaning mixing equipment and tools.



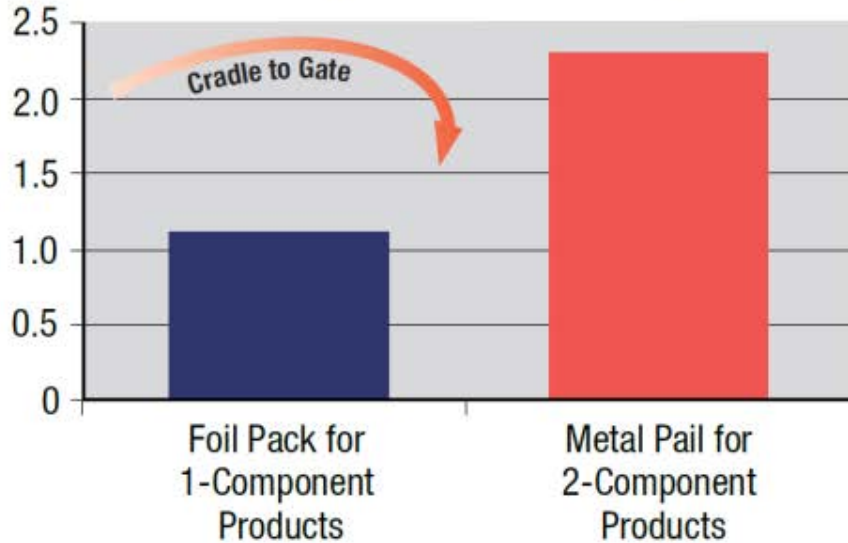
- **Less Waste**

Waste reduction through intelligent packaging solutions such as foil packs.

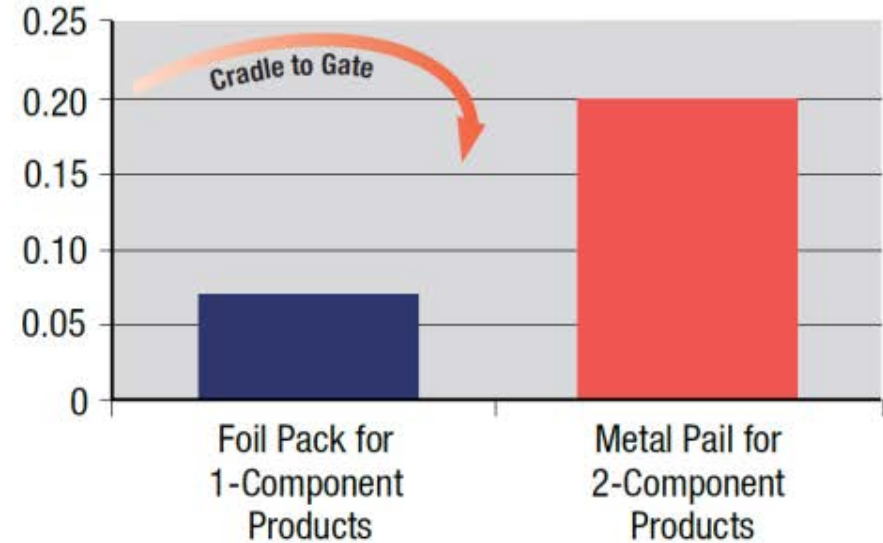




WASTE REDUCTION THROUGH INTELLIGENT PACKAGING

Cumulative Energy Demand (CED) [MJ/kg]



Global Warming Potential (GWP) [kg CO₂-eq./kg]



-  Foil Pack for 1-Component Products
-  Metal Pail for 2-Component Products

WASTE REDUCTION THROUGH INTELLIGENT PACKAGING

- 0.15 kg CO₂ and 1.5 MJ energy could be saved with an intelligent packaging like foil packs per kg sealant.
- Assumption:
2000 tons 1C sealants for floor joints in competition with 2C sealants:

Intelligent packaging saves:

→ 1.5 MJ/kg x 2000 tons = **3000 MJ**

→ 0.15 kg CO₂/kg x 2000 tons = **300 tons CO₂**

