



Conductive Fiber Composites

Anti-ice technology

De-icing or Anti-icing?



Skidding is a safety issue



Confistep is BPAB's solution for anti-icing of boot surfaces onshore and offshore

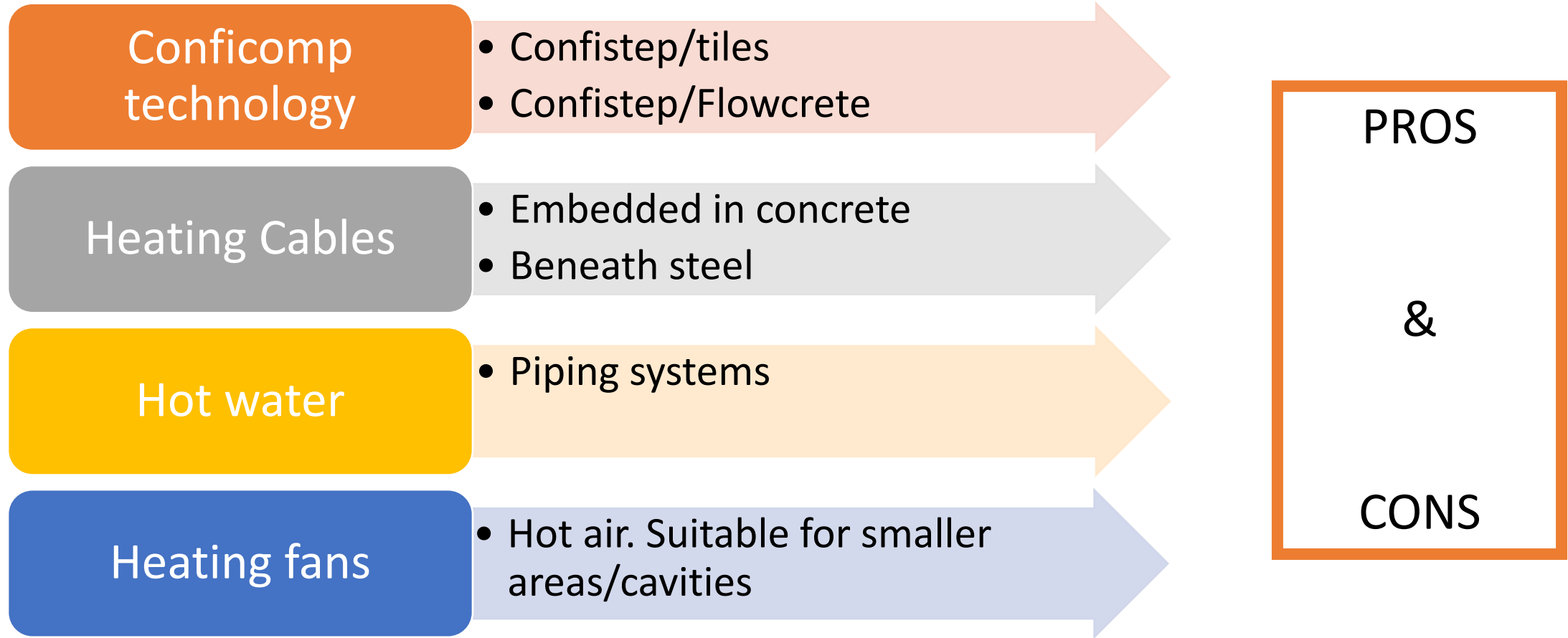
- Confistep/Conficomp – Conductive Fiber Composites
- Only the surface is heated and only when needed – minimizing energy dissipation.
- Appr. 3 mins response time vs "hours" by heating cables.
- Anti skidding also in stand by mode
- Maintenance free, protecting steel from corrosion
- Fairly easy/cheap installation
- Low weight solution



Access ramp onboard Stena Danica



Anti icing means of (marine deck) heat tracing



Pros & Cons: means of (marine deck) heat tracing

	Energy consumption	Installation	Weight	Deck protection	Anti skid	Area coverage
Conficomp	Low	Easy	Max 15 kg/sqm	High	Yes	High
Heating cables	High	Complex	Min 20 kg/sqm	None	No	Moderate
Hot water	Low?	Complex	Moderate?	None	No	Low
Hot fans	High	Easy?	Low	None	No	Low

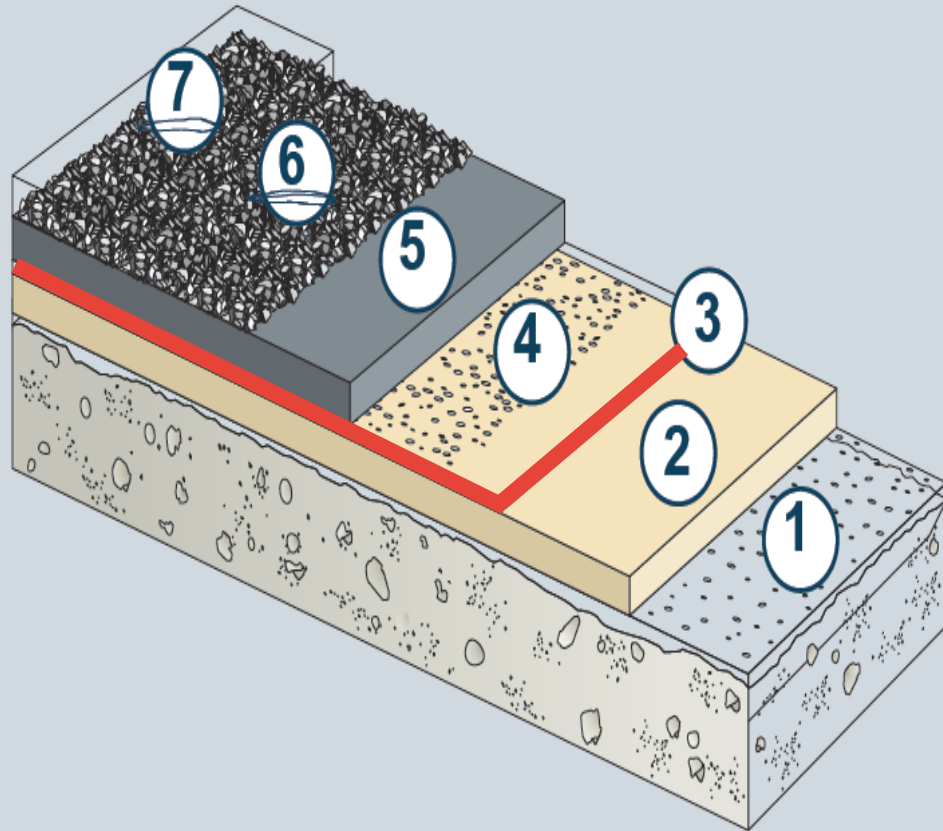
Flowcrete deckshield



- Seamless, waterproof wearing protection for steel decks
- Appr 8 mm thick (thin) and 15 kg/sqm (incl Conficomp)
- Non absorbent and impermeable
- Rapid setting and curing
- Tenacious bond to concrete and steel surfaces
- Resilient and resists indentation by ballast
- Crack bridging even at below sub zero temperatures
- Easily repaired where applicable
- Superior wear resistance

Flowcrete deckshield with Conficomp inside

Conficomp® with MATACRYL® WS



LAYERS:

1. Matacryn® Primer / natural quartz
2. Matacryn® Manual / Machine Membrane
3. **Conficomp Conductive Layer**
4. Matacryn® Primer + natural quartz
5. Matacryn® WL or WLW Wearing Layer
6. Aggregate, Bauxite / Aluminium Oxide
7. Matacryn® STC Sealer



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