

# DeepSet cement system

## Applications

Deepwater, shallow water flow and gas migration environments

## Features and Benefits

- Controls shallow water and gas flow
- Minimal transition time and rapid compressive strength development
- Fit-for-purpose designs for specific applications
- Allows zero free-water development under deviated conditions
- Low fluid loss
- Real-time well conditions determine the final slurry composition
- Can be designed with virtually all API and ASTM cements
- Compatible with most BHGE cement additives

The **DeepSet™ cement system** from Baker Hughes is used to control shallow water and/or gas flow in deepwater drilling environments. This system provides early compressive strength development at low temperatures with minimal transition time. It also serves as the primary completion cement and the base cement for foamed lightweight cement.

Baker Hughes prides itself on solving potential problems at the wellhead, understanding that a single slurry does not fit all applications. This approach allows unlimited design flexibility and takes deepwater cement systems out of the lab and into the real world. Our cementing philosophy utilizes state-of-the-art cement pumping equipment, such as Baker Hughes **Seahawk™** and Baker Hughes **Hawk™ cement units**, to help ensure a quality cement job.

DeepSet cement slurries are part of Baker Hughes **Set for Life™ family of cement systems**, which are designed to isolate and protect the targeted zone for the life of the well. These slurries can be blended with other systems in this family to help ensure long-term zonal isolation.

## Safety Precautions

Refer to the system components material safety data sheet for information and first aid.

## References

- MSDS
- Cementing engineering support manual
- Confidential mixing manual
- Foamed cement system data sheet
- Set for Life systems brochure
- Set for Life cement systems sales bulletin

## Typical properties

Typical temperature range	32 to 100°F (0 to 38°C) BHCT
Typical slurry density range	11.5 to 15.6 ppg (1378 to 1869 kg/m <sup>3</sup> )