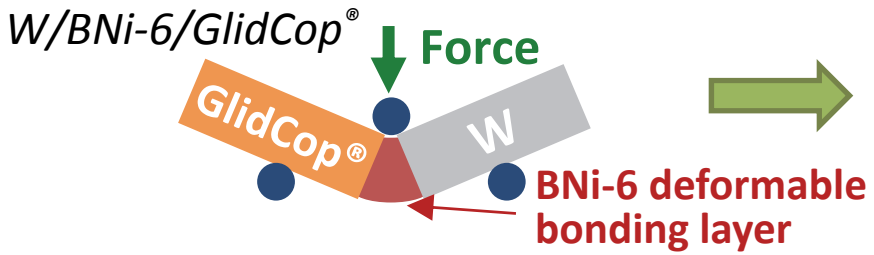
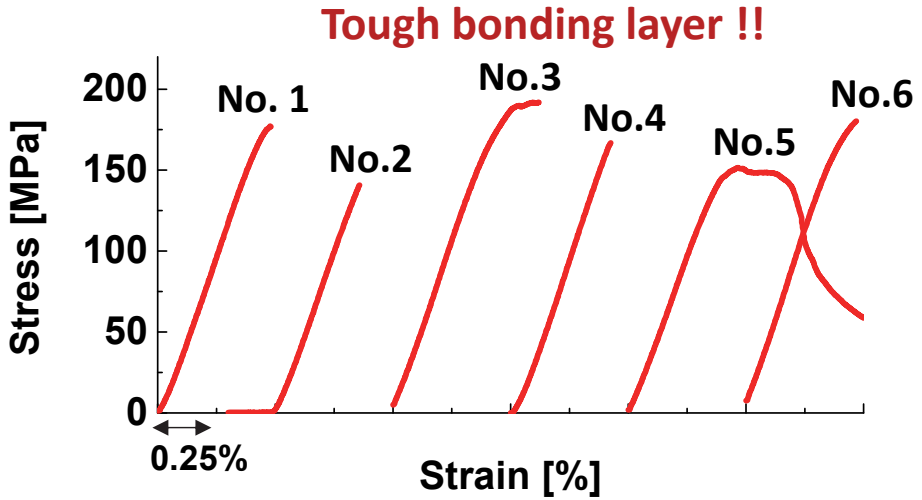
The small-scale divertor mock-up by improved brazing technique showed an excellent potential for using in the reactor divertor

Improved brazing technique between W armour and ODS-Cu (GlidCop®) heat sink was found by using BNi-6 (Ni-11%P) filler material

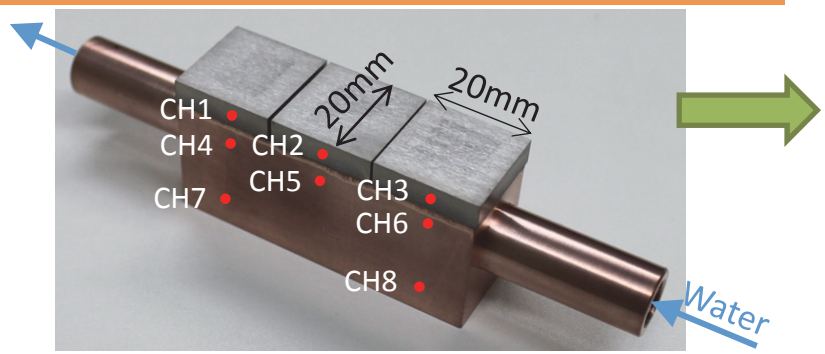


Schematic view of the three-point bending test of the W/BNi-6/GlidCop® specimen after deformation.

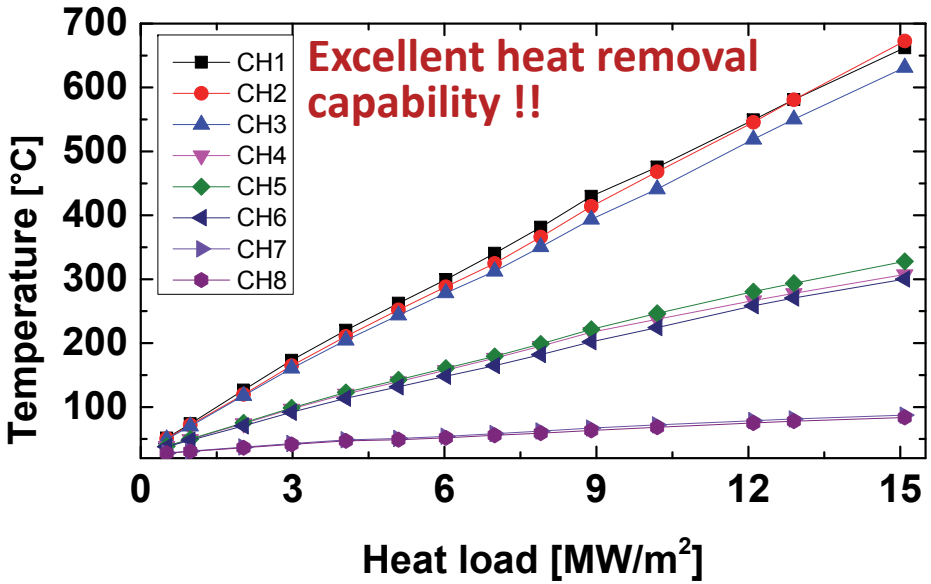


Stress-strain curves of W/BNi-6/GlidCop® specimens.

W/BNi-6/GlidCop® small-scale divertor mock-up showed an excellent heat removal capability



W/BNi-6/GlidCop® small-scale divertor mock-up.



Temperature profile of the W/BNi-6/GlidCop® mock-up during a steady state heat loading.

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