

## **Armour array details**

Note: all angles are given from vertical unless otherwise stated

### Mantlet

Package:

- 20 x 25mm HHA sheets
- 50mm RHA base

Areal density: 4290 kg/m<sup>2</sup>

Thickness: 550 mm

Volumetric density: 7.8 g/cm<sup>3</sup>

### Roof array

Note: all surfaces are at 90° from the vertical

Package:

- 15mm HHA
- 2 x LNERA
- 45mm RHA base

Areal density: 725 kg/m<sup>2</sup>

Thickness: 132 mm

Volumetric density: 5.5 g/cm<sup>3</sup>

### Turret front array

Package:

- 25mm HHA
- 2x L NERA (70°)
- 4x L NERA (70°)
- 20mm HHA
- 45mm RHA base

Areal density: 2952 kg/m<sup>2</sup>

Thickness: 722 mm

Volumetric density: 4.1 g/cm<sup>3</sup>

### Turret side array

Package:

- 25mm RHA outer missile box
- 250mm air gap/missile body
- 25mm RHA inner missile box

- 10mm HHA
- 1 x LNERA (61')
- 25mm HHA
- 2x LNERA (61')
- 45mm RHA

Areal density: 1457 kg/m<sup>2</sup> (not including missile box)

Thickness: 308 mm (not including missile box)

Volumetric density: 4.7 g/cm<sup>3</sup> (not including missile box)

#### Hull front

Package:

- 45mm RHA (45')
- 2x L NERA (70')
- 4x L NERA (70')
- 20mm HHA
- 45mm RHA

Areal density (sans front RHA): 2757 kg/m<sup>2</sup>

Thickness (sans front RHA): 697 mm

Volumetric density: 4 g/cm<sup>3</sup>

#### Hull sides (fighting compartment)

Package:

- 25mm HHA side skirt
- 500mm air gap
- 25mm HHA
- 10mm HHA
- 3 x L NERA (51')
- 45mm RHA

Areal density (sans HHA side skirt): 1235 kg/m<sup>2</sup>

Thickness: 252 mm (sans HHA side skirt or air gap)

Volumetric density: 4.9 g/cm<sup>3</sup> (sans HHA side skirt or air gap)

#### Hull sides (driver)

Package:

- 25mm HHA side skirt
- 700mm air gap
- 25mm HHA
- 3 x L NERA (51')
- 45mm RHA

Areal density (sans HHA side skirt): 1157 kg/m<sup>2</sup>

Thickness: 242 mm (sans HHA side skirt or air gap)

Volumetric density: 4.8 g/cm<sup>3</sup> (sans HHA side skirt or air gap)