

e-SD OTE NO.008ADV 1920 Dt-09-05.2019

TECHNICAL SPECIFICATION FOR ITEM NO.2

Item code

Item description

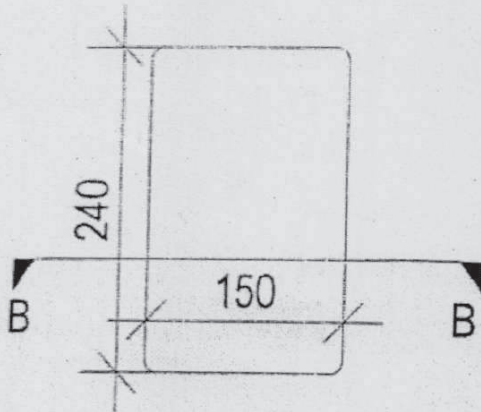
2111657075 SILICON CARBIDE CERAMIC ARMOUR PLATE SIDE - STANDARD
SPECIFICATION:
MATERIAL: SILICON CARBIDE
DENSITY: 2.8 TO 3.2 g/cc
THICKNESS: 7.5 +/- 3 mm
FRACTURE TOUGHNESS: 2.8 TO 4.3 MPa/M2
ROCKWELL HARDNESS: MIN. 75 RHA
MODULUS OF ELASTICITY: 200 TO 300 GPa
MODULUS OF RUPTURE: @RT - 150 TO 180 MPa
@1400 DEGREE CELCIUS - 170 TO 200 MPa
CERAMIC PLATE SHALL BE FREE FROM CRACKS AND SURFACE DEFECTS
DIMENSON: AS PER DRAWING ENCLOSED

VETTED FOR
TECHNICAL PARTICULARS ON
HOS.

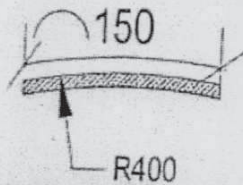
ENCLOSURE TO TECHNICAL SPECIFICATION FOR ITEM NO.2

Drawing for Ceramic Armour Plate Side Standard:

Drawing No: OCFav/Ceramic/S/S001



ELEVATION



SECTION AT A-A



Surface Area-359 cm²
All Dimensions are in mm

VETTED FOR
TECHNICAL PARTICULARS ONLY

Signature
JTCm/TC