

**Silcadur NW 400** is a highly concentrated, water-based Boron Nitride Dispersion/ Industrial coating for the aluminium casting process.

### Properties

- Prevents adhesion of molten aluminium to refractory parts and tools
- Refractory binder provides good surface adhesion of the coating
- Low abrasion
- Temperature resistant, up to 900°C in air

### Typical Areas of Application

- Coating of launders, runners, tundishes, skim frams, hot top rings and tools in continuous casting applications
- Coating of ladles and refractory parts in low pressure die casting applications

### Advantages

- Temperature resistant red-brown pigments give an easy visual check to confirm critical areas remain coated
- Excellent surface protection
- Excellent lubricant and release agent
- Reduces wear on refractory materials
- Improves lifetime of refractory parts and tools

### Recommendations for Processing

- Applied by dipping, painting or spraying
- Stir the concentrate prior to use. Dilution is dependent on application
- For spraying application, we recommend a dilution ratio of 1: 5
- Dipping or painting application recommendation is a ratio of 1: 3
- If required further dilution is possible
- Apply on clean, dust and oil free surfaces
- Apply in thin completely covering layers to ensure good surface adhesion
- Spraying onto warm surfaces (150 - 200°C) improves the spray result and shortens the drying time
- Re-coat as required
- Ensure the product has fully dried before coming into contact with the melt

### Technical Data

- Colour: Light Blue
- Solid content: 45%
- Binder: Aluminium Oxide
- Density: 1.8g/cm<sup>3</sup>
- Ph-Value 3 – 5

### Storage and Safety

- Store in original packaging and appropriate dry conditions, and protect from frost.
- Additional information is available on the Material