



Technical and Application Data Sheet

BDT – 1911 Ignis Shield

The **BDT – 1911 Ignis Shield** is a thin to high build Fire Resistant Surface Coating.

Ignis Shield coating does not burn under direct flame contact, has no flame spread and no smoke or toxic fumes are generated

Ignis Shield material has excellent adhesion properties to most common substrates

Ignis Shield greatly reduces the thermal pass through, thus offering more protection to the coated substrate

Ignis Shield can be applied by trowel or similar application tools, as well as texture spray gun systems

Ignis Shield may be applied in layers to create a higher film build.

Technical properties:

Color _____	speckled brown (may vary)
Odor _____	no odor once cured
VOC _____	none
RoHS _____	Compliant
REACH _____	Compliant
Halogens _____	None
Percent of Solids _____	approx. 75%
Theoretical coverage at 5-mil layer _____	250. sq/ft/gal
Flash point _____	n/a
Flame contact _____	non- flammable
Clean-up _____	water while wet
Dry time*** _____	dependent on product thickness, ambient temperature and humidity

Considerations:

If some applications are difficult to bond to some substrates, the use of BDT-520 adhesion primer maybe required

When using multiple-layered applications, the preceding Ignis Shield coating layer should be cured prior to overcoating with Ignis Shield

Notes:

As the product's applied mil thickness increases, it will extend the required time to cure the product.

BDT-42 or similar BDT-nano-ceramic coating product may be used as a topcoat to create a thin no-burn, hydrophobic clear coating film on the cured Ignis Shield surface.



Preparing & Mixing the **Ignis Shield** for application.

Keep both A & B containers sealed until ready to use

Part-A: Note

- Shake the contents of part A to ensure all contents are suspended uniformly before pouring into the Part-B material/container.

Part B: note

- Keep part B sealed to prevent the curing agent from absorbing moisture, which will and/or can deactivate it.
 - **Mix A into B at a 4 :1 ratio**
 - “Immediately” stir or power mix the mixture of both A & B, being sure all solids are wetted uniformly.
 - If thinning is required – for a specific application need – add water in “very small (1-ounce or less) amount at a time” to achieve the needed viscosity.
- a. **Do not over thin** as dry time will be extended and possibly create some surface fractures within the cured coating.
- Clean tools and equipment with water – prior to the drying of the product