

# Ceilcote 232/282 Flakeline

## High performance novolac vinyl esters

The Ceilcote® range of novolac vinyl esters offer the ultimate in chemical, temperature and corrosion resistance.

Originally developed for the arduous conditions found inside flue gas desulphurisation (FGD) units in the power market these versatile materials have developed into true market leaders.

- High solids novolac vinyl ester systems for use on steel or concrete
- Outstanding resistance to aggressive chemical groups such as:
  - Organic and inorganic acids
  - Aliphatic, aromatic and many oxygenated solvents
- High temperature resistance
- Available in a variety of grades for application by trowel, brush, roller and airless spray
- Typical application areas include:
  - FGD raw and treated gas ducts
  - Gas to gas heat exchangers
  - Process equipment such as separators, coalescers, knock out drums, absorbers, feed tanks and clarifiers



# Protection of process equipment at the heart of industrial facilities is key to ensuring ongoing operation and productivity in many industries

Process equipment may be subject to a wide variety of thermal and chemical conditions, therefore long term protection and trouble free application are just two of the benefits offered by the Ceilcote® range of novolac vinyl esters.

**Ceilcote® 232 Flakeline**, with its combination of lamellar flake fillers and temperature resistant resin backbone, make it the obvious choice for challenging environments. A variety of application methods such as brush, roller and airless spray application is another key feature.

Where additional permeation resistance is required Ceilcote® 282 Flakeline uses a micronized glass flake pigment to reduce the permeation of water through the coating.

In cases where solid particles may contribute to additional abrasion, **Ceilcote® 282AR Flakeline** employs a abrasion resistant ceramic filler to provide additional protection.



Flue gas ducts and hoods



Installation of Ceilcote® 232 Flakeline

To ensure flexible application across a range of substrates a family of ancillary materials are available to support this range.

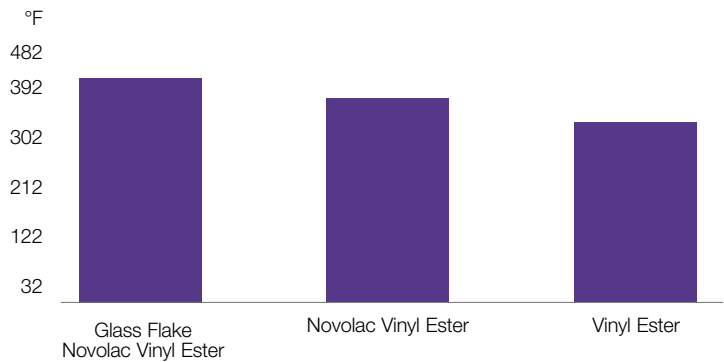
**Ceilcote® 370HT Primer** is a catalysed novolac vinyl ester primer with excellent temperature resistance.

**Ceilcote® 232/282/282AR** linings incorporate a layer of glass reinforcing mat to provide additional protection.

**Ceilcote® 232/282/282AR MR** systems combine a trowel applied basecoat allowing easy correction of uneven surfaces and providing additional protection.

**Ceilcote® 232/282/282AR Ceiline** combines a flexible basecoat to accommodate crack bridging in concrete surfaces up to a crack width of 1/32 in (1 mm).

## Relative continuous dry temperature resistance



## Typical values

Adhesive strength*	1,200 - 1,500 psi (10 MPa)
Flexural strength*	7,500 psi (52 MPa)
Flexural modulus*	8.9 x 10 <sup>6</sup> psi (61 GPa)
Moisture permeability*	0.0011 perm inches (0.0018 perm cm)

## Service temperature limits

Continuous dry	400°F (204°C)
Immersion	180°F (82°C)

\* values are typical for Ceilcote® 282 Flakeline

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