

## Ancorbond

### Description:

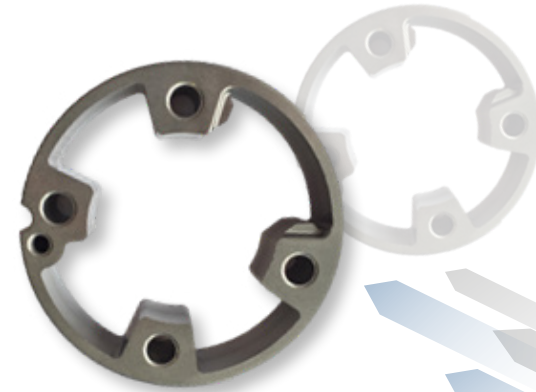
As a pioneer in binder-treated premix solutions, Hoeganaes Corporation continues to lead with products to improve compaction performance. Ancorbond is a high apparent density, fast flowing powder that speeds compaction rates while reducing weight and height scatter in structural components requiring high precision.

Ancorbond premixes have been shown to reduce segregation, improve part-to-part consistency, significantly diminish premix dusting and allow for greater alloy flexibility compared to alternative bonding methods. Ancorbond technology is also the basis for a range of Ancorloy materials.

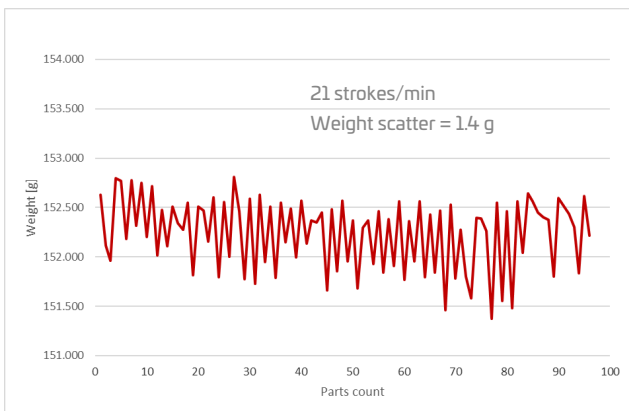
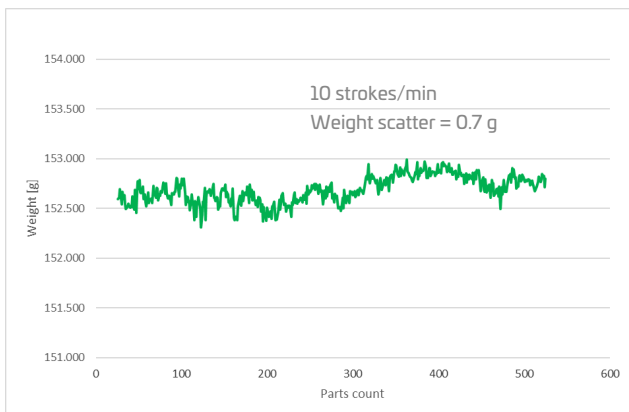
Ancorbond is ideal for applications with thin walls and deep fills. The compaction of parts such as VVT stators, synchronizer hubs and pulleys can be improved through the use of an Ancorbond premix.

### Typical Premix Properties

Premix Type	Apparent Density (g/cm <sup>3</sup> )	Hall Flow (s/50g)
Ancorbond	3.3	27
Standard Premix	3.0	35

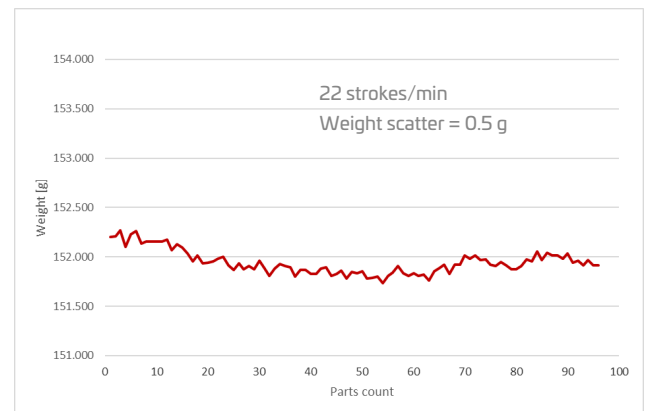
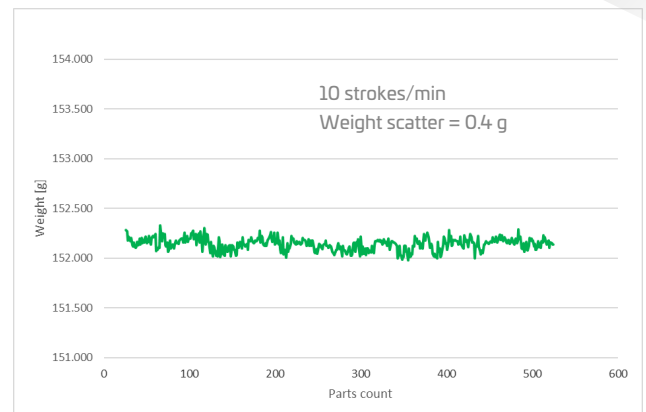


#### STANDARD PREMIX



FC-0208 compaction trial of VVT component

#### ANCORBOND PREMIX



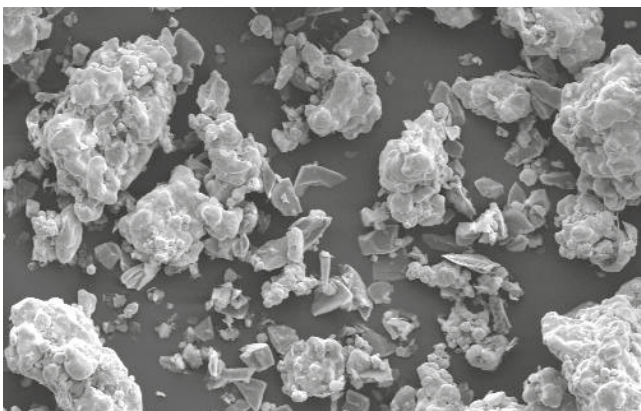
### Greater weight stability and faster press speeds

# Ancorbond improves flow and reduces dusting of powder premixes

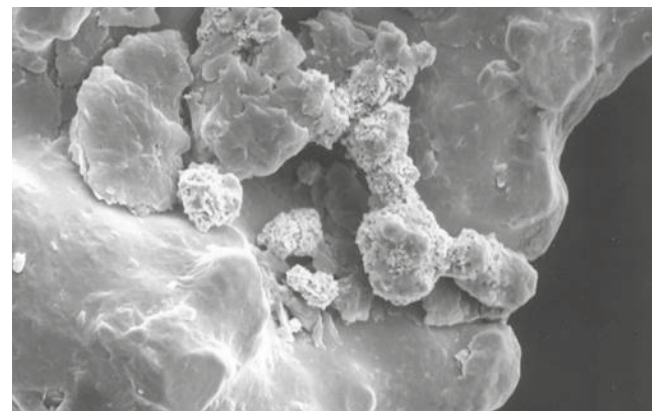
## Premix flow comparison



STANDARD PREMIX



ANCORBOND PREMIX



## Respirable Dust Measurement in Plant Environment

