



## Product Data Sheet

### SHEPCO™ OXIDE

Cobalt oxide ( $\text{Co}_3\text{O}_4$ ) is a product that is widely used in a number of industries including glass, ceramics and batteries.

Shepherd Widnes Ltd produces a wide variety of Shepco oxides suitable for all industries. This range of products has a cobalt content of 45 - 73%

CAS:	Cobalt Oxide;	1307 - 96 - 6
	Cobalt Tetraoxide;	1308 - 06 - 1
EINECS:	Cobalt Oxide;	215 - 154 - 6
	Cobalt Tetraoxide;	215 - 157 - 2



### Available Grades

#### 45% Frit grade (45FR)

This grade is a cost effective product, making it suitable for use in a wide range of applications, including the manufacture of frits and general-purpose pigments. This grade has a cobalt content of 43 - 58% and a particle size of  $<5.0\mu$ .

#### 70% Frit grade (70CF)

This grade is a cost effective product, making it suitable for use in a wide range of applications, including the manufacture of frits and general-purpose pigments. This grade has a minimum cobalt content of 70% and a particle size of 5 -  $7\mu$ .

#### 70 - 71% Pigment grade (70CN)

This grade has a large uniform particle size, making it suitable for use in specialist applications, including the manufacture of high quality pigments. This grade has a cobalt content of 70 - 71% and a particle size of 12 -  $16\mu$ .

#### 70 - 71% Pigment grade (70CFG4)

This grade has a very fine uniform particle size, making it suitable for use in specialist applications, including the manufacture of high quality pigments and batteries. This grade has a cobalt content of 70 - 71% and a particle of 0 -  $4\mu$ .

#### 71 - 72% Pigment grade (71CF)

This general grade has a uniform particle size and low impurities, making it suitable for use in all applications, including the manufacture of pigments and glass. This grade has a cobalt content of 71 - 72% and a particle size of 5 -  $7\mu$ .

#### 71 - 72% Pigment grade (71CN)

This grade has a large uniform particle size, making it suitable for use in specialist applications, including the manufacture of high quality pigments. This grade has a cobalt content of 71 - 72% and a particle size of 12 -  $18\mu$ .

#### 71 - 72% Pigment grade (71CFG4)

This grade has a very fine uniform particle size, making it suitable for use in specialist applications, including the manufacture of high quality pigments and batteries. This grade has a cobalt content of 71 - 72% and a particle of 0 -  $4\mu$ .

#### 72 - 73% Pigment grade (72CF)

This general grade has a uniform particle size and low impurities, making it suitable for use in all applications, including the manufacture of pigments and glass. This grade has a cobalt content of 71 - 72% and a particle size of 5 -  $7\mu$ .