



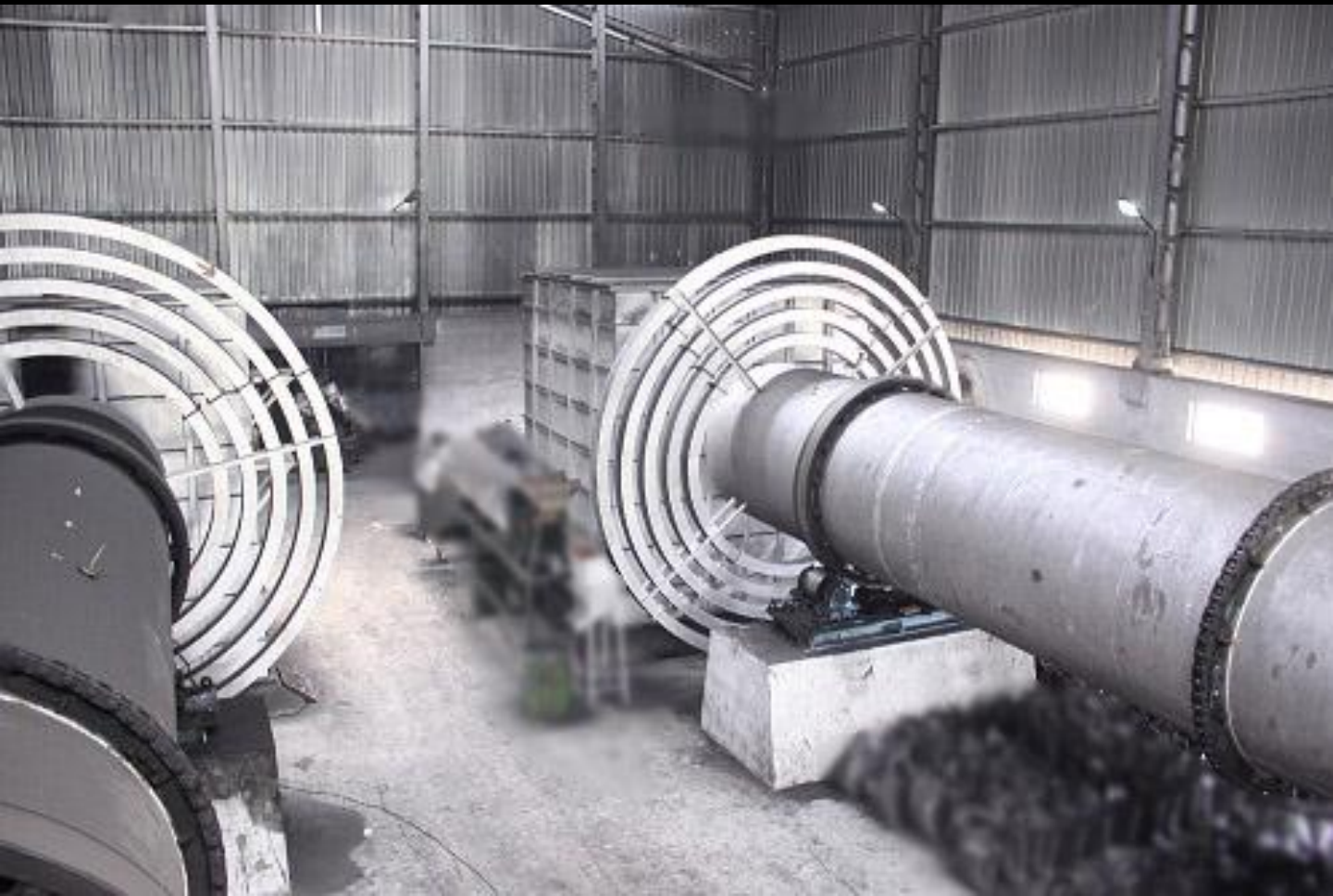
**ACTIVATED  
CARBON**



# OVERVIEW

At D&R Corporation, we manufacture wide range of **ACTIVATED CARBONS** for **Water Treatment, Waste Water Treatment, Air and Gas Treatment, Gold Mining, Mercury Removal** and various other applications. Please check our [Online Knowledge Centre](#) to get more idea about type of activated carbon required for your application.

Our **PURAQUA™** range of Activated Carbons are made from raw material base of **Coal, Coconut and Wood**. Our unique know-how on activated carbon applications and range of products enable us to solve any complex problem related to activated carbon.



# COCONUT SHELL ACTIVATED CARBONS

We manufacture wide range of Coconut Shell Activated Carbon in Granular and Powder Form.

- Iodine Number 600 to 1200 with different mesh sizes.

| Grade    | Form     | Iodine Number (mg/g) | Density (gm/liter) | Hardness (%) | Ash (%) | Moisture (%) |
|----------|----------|----------------------|--------------------|--------------|---------|--------------|
| CNB 600  | Granular | 600                  | 550 – 580          | 95           | 5       | 5            |
| CNB 800  | Granular | 800                  | 530 – 560          | 97           | 4       | 5            |
| CNB 1000 | Granular | 1000                 | 500 – 540          | 98           | 3       | 5            |
| CNB 1200 | Granular | 1200                 | 480 - 520          | 98           | 3       | 5            |
| CNA 700  | Powder   | 700                  | 540 – 570          | 95           | 5       | 5            |
| CNA 900  | Powder   | 900                  | 520 – 550          | 96           | 4       | 5            |
| CNA 1100 | Powder   | 1100                 | 490 - 530          | 97           | 4       | 5            |

We also manufacture coconut shell carbons for specialty applications

- Silver Impregnated Coconut Carbon for Microbial Control
- Range of Impregnated Carbon for Removal of Inorganic Acids
- Acid washed and Water Washed Carbon
- Gold Recovery Carbon

| Grade               | Form     | Iodine Number (mg/g) | Application  |
|---------------------|----------|----------------------|--|
| CNB 1000A           | Granular | 1000                 | Acid washed – Purer and Cleaner Carbon                                       |
| CNB 1000 NaOH / KOH | Granular | 1000                 | Sodium / Potassium Hydroxide Impregnated Carbon – Removal of Inorganic acids |
| CNB 1000 Ag         | Granular | 1000                 | Silver Impregnated – Removal of Microbial                                    |
| CNB AuM / AuH       | Granular | 1000                 | Gold Recovery in CIP/CIL Processes   |

# COCONUT SHELL ACTIVATED CARBONS



## FEATURES

- More amount of Micropores so ideal for removal of small size Organic Molecules
- Less Ash Content and Excellent Hardness
- Made from Coconut so it is a natural product

## APPLICATIONS

- Removal of Chlorine and Chloramine in Potable water and Municipal water systems
- Protection of Ion Exchange Resin from fouling
- Removal of Odor and Color
- High flow rate applications
- Beverage Production
- Gold adsorption in CIP (Carbon in Pulp), CIL (Carbon in Leach) and CIC (Carbon in Column) processes

# COAL BASED ACTIVATED CARBONS

We manufacture wide range of Coal Based Activated Carbon in Granular and Powder form for various liquid phase applications

- Iodine Number 600 to 1100 with different mesh sizes.
- Acid washed carbon for less ash content and better purity
- Powder Carbon with particle size minus 200 mesh and minus 325 mesh

| Grade     | Form     | Iodine Number (mg/g) | Density (gm/liter) | Hardness (%) | Ash (%) | Remarks     |
|-----------|----------|----------------------|--------------------|--------------|---------|-------------|
| CLB 800   | Granular | 800                  | 420 - 480          | 90           | 8       |             |
| CLB 1000  | Granular | 1000                 | 410 - 460          | 90           | 15      |             |
| CLB 1000A | Granular | 1000                 | 410 - 460          | 92           | 6       | Acid Washed |
| CLA 900   | Powder   | 900                  | 410 - 460          | 90           | 12      |             |

We also manufacture Coal Based Extruded Carbon for Air and Gas Treatment

- CTC Adsorption from 50 to 80
- Diameter size of 0.9 mm to 8 mm
- Chemically impregnated carbon for specialty applications

| Grade       | Form     | CTC Value (%) | Impregnated (%) | Application                             |
|-------------|----------|---------------|-----------------|---|
| CLC 60      | Extruded | 60            |                 | Purification of Air and Gas             |
| CLC 60 NaOH | Extruded | 60            | 15              | Removal of Inorganic Acid Gases         |
| CLC 60 KI   | Extruded | 60            | 2               | H <sub>2</sub> S and Mercaptans Removal |
| CLC 60 FD   | Extruded | 60            | 10              | Formaldehyde Removal                    |
| CLC 60 S    | Extruded | 60            | 5               | Mercury Removal                         |

# COAL BASED ACTIVATED CARBONS

## FEATURES

- Excellent combination of Micro and Macropores
- Low Dust and Turbidity
- Good Hardness
- High Adsorption Capacity
- Direct activated and Reagglomerated carbon depending upon application

## APPLICATIONS

- Residential water treatment systems
- Municipal water treatment systems
- Chlorine removal
- De-colorization applications
- Point of Entry (PoE) and Point of Use (PoU) applications
- Removal of Mercury, Mercaptant, H<sub>2</sub>S and inorganic acid gases in various air and gaseous treatments
- Waste incineration
- Removal of heavy metals and dioxin
- Waste water treatment applications
- Solvent recovery



# WOOD BASED ACTIVATED CARBONS

We manufacture wide range of wood based powder activated carbon for removal of high molecular size organics

- Methylene Blue values from 150 to 220.
- Acid washed carbon for Sugar Decolorization
- Powder Carbon with particle size minus 200 mesh and minus 325 mesh
- Carbon is activated by Physical Steam, Phosphoric Acid or Zinc Chloride based on applications need



| Grade    | Form   | Methylene Blue (mg/g) | Density (gm/liter) | pH   | Ash (%) | Remarks     |
|----------|--------|-----------------------|--------------------|------|---------|-------------|
| WDA 150  | Powder | 150                   | 350 – 400          | 9-11 | 7       |             |
| WDA 170  | Powder | 170                   | 350 – 400          | 9-11 | 7       |             |
| WDA 190  | Powder | 190                   | 350 – 400          | 9-11 | 7       |             |
| WDA 180A | Powder | 180                   | 350 - 400          | 5-7  | 7       | Acid Washed |

# WOOD BASED ACTIVATED CARBONS

## FEATURES

- High amount of Mesopores
- Large Surface Area
- Large absorption capacity
- High efficiency
- Big pore volume
- Range of products both Steam and Chemically Activated depending upon applications
- Products available with wide range of pH

## APPLICATIONS

- Sugar Decolorization
- Water and wastewater treatment
- Glucose, dextrose, lactose and HFS Purification
- Ideal for removal of high molecular organic compounds
- Decolorization of chemicals, pharmaceuticals and acids
- Decolorization of HVP, acids, fruit juice and wine



# COMPANY PROFILE



D&R Corporation is a leader in the manufacturing of wide range of chemicals for Water Treatment and Oil and Gas Industry. We provide innovative solutions and cutting edge technological products to our customers. Our R&D division is continuously working on providing new solutions and betterment of existing products. Our manufacturing plant is operating as per ISO 9001:2008 and FDA guidelines.

We also manufacture Ion Exchange Resins and Manganese Dioxide to give solutions for various problems related to water. We have headquarter in Pune, INDIA with sales offices in three different locations to cater all Indian market.

We have large network of distributor all over the world to cater demand for our customers in different parts of the world.

**Please contact your D&R Corporation representative to get more information.**

## **HEADQUARTER:**

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